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Report:

VITAL STATISTICS AND INDUCED TERMINATIONS OF PREGNANCY

1987

1889

DEPARTMENT OF HEALTH
State of Washington

Vital Statistics
and
Induced Terminations of Pregnancy
Washington State
1987

Health Data Section

Office of Health Data Coordination and Consultation

Division of Health Data, Quality Assessment and Planning

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Introduction

The 1987 Summary of Vital Statistics and Induced Terminations of Pregnancy contains a summary presentation, in tabular form, of the vital events (birth, death, marriage, divorce) and induced abortions which occurred during the calendar year 1987. In the interest of easy comparison, essentially the same format of tabular presentation has been continued as was used in previous reports, except that several new tables have been added this year:

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Mortality

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Induced Terminations Of Pregnancy

Table 16. Second TrimesterA bortions by Patient's Age by County of Residence, Washington State 1987.

Table 17. Repeat Abortions by Patient's Age by County of Residence, Washington State 1987.

Two additional changes have been made:

1. On Birth Table 1D (Residence Live Births by Attendant), the category previously grouped as 'midwife' has been separated into three entries: licensed, certified, and other midwife.
2. Death Table 21 (Infant Deaths by Race by Place of Residence) is now tabulated by child's race at birth rather than race at death, as was used in previous years. This change was made in recognition of the fact that the race at death underestimates infant mortality among minority groups, as some infants classified non-White at birth are classified White at death.

For those who find that the data in this report do not meet all their needs, additional data are available and can be obtained by calling Statistics at (206) 753-5938.

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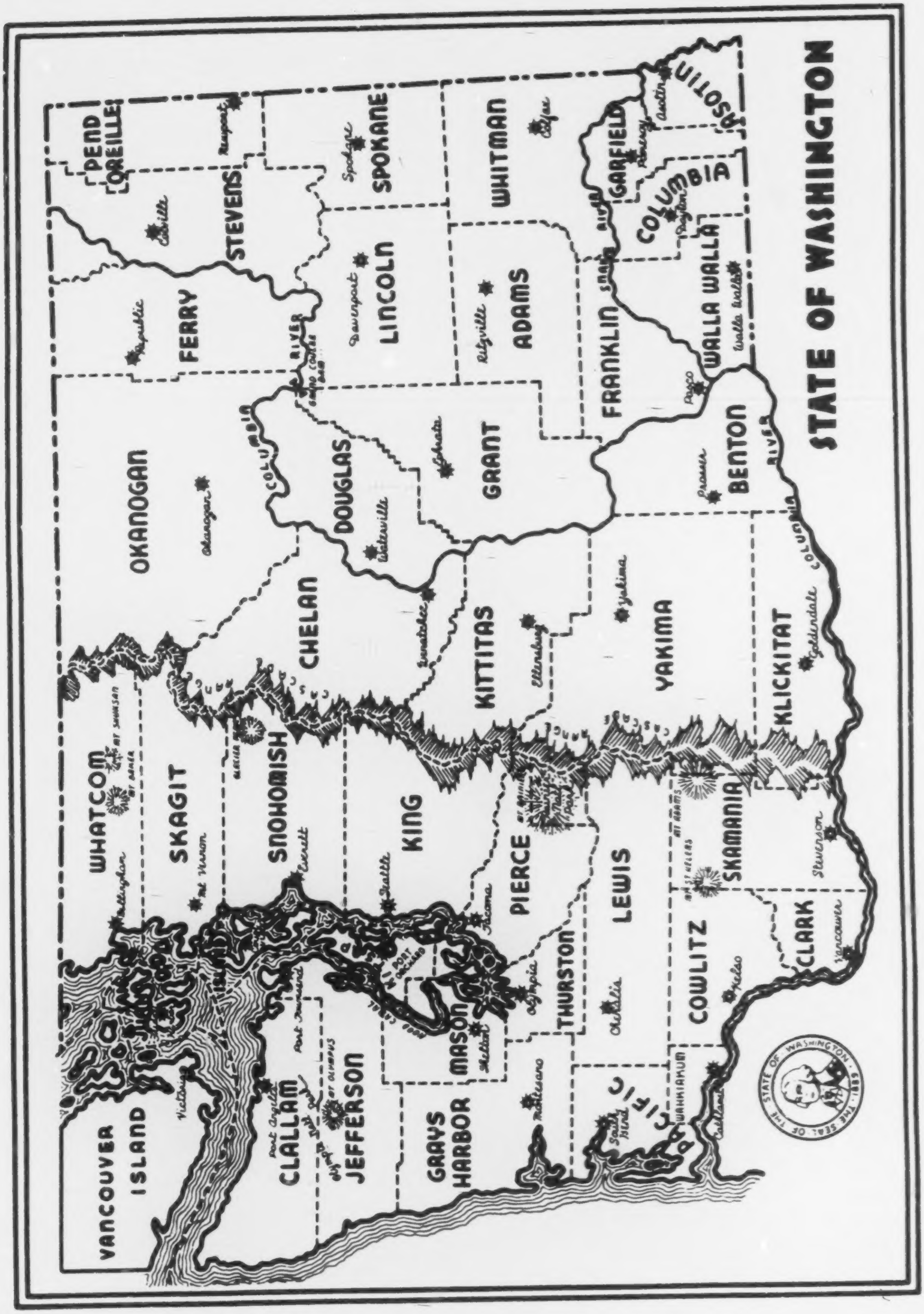


STATE OF WASHINGTON

VANCOUVER ISLAND
Victoria
CLALLAM
Port Angeles
JEFFERSON
Port Townsend
MT OLYMPUS
GRAYS HARBOR
Montesano
MASON
Shelton
THURSTON
Olympia
PACIFIC
South Bend
WAHKIAKUM
Cathlamet
COWLITZ
Kelso
CLARK
Vancouver
SKAMANIA
Stevenson
MT ST HELENS
MT ADAMS
LEWIS
Chehalis
PIERCE
Tacoma
MT RAINIER
KING
Seattle
KITSAP
Port Orchard
ISLAND
SAN JUAN
SNOHOMISH
Everett
GLACIER PEAK
SKAGIT
Mt Vernon
WHATCOM
Bellingham
MT BAKER
MT SHUKSAN
CHELAN
Wenatchee
KITTITAS
Ellensburg
YAKIMA
Yakima
KLICKITAT
Goldendale
CASCADE RANGE
OKANOGAN
Okanogan
DOUGLAS
Waterville
GRANT
Ephrata
BENTON
Prosser
FERRY
Republic
STEVENS
Colville
PEND OREILLE
Newport
LINCOLN
Davenport
GRAND COULEE DAM
ADAMS
Ritzville
FRANKLIN
Pasco
SPOKANE
Spokane
WHITMAN
Colfax
WALLA WALLA
Walla Walla
COLUMBIA
Dayton
GARFIELD
Pomeroy
ASOTIN
Asotin
COLUMBIA RIVER
SNAKE RIVER
THE SEAL OF THE STATE OF WASHINGTON · 1889

TRENDS

Natality
Mortality
Infant Mortality
Fetal Mortality

Introduction

The birth, death, infant and fetal death analysis section has two parts for each data source. The first part ("1987 At A Glance") puts 1987 vital events into perspective by comparing them to US data and presenting time trends for Washington State. The second part ("Is Washington State Meeting 1990 Goals?") examines whether or not Washington State will meet the Surgeon General's 1990 goals. These goals have been established as targets to guide health promotion and disease prevention programs in their efforts to improve the health of the American people by the year 1990. Tracking progress towards these goals helps to identify areas where the state is doing comparatively well and problem areas where special efforts may be needed.

Methods

Trends are determined by comparing 1987 to the previous five years, thus they represent recent trends only. Long-term trends in rates are shown on the accompanying graphs.

Projected 1990 Washington State rates are determined by assuming that current trends will continue to 1990. Because this is a rough approximation, projected data are given in whole numbers only, to reflect their uncertainty.

Sources Of Data

Washington State data are based on 1987 Washington State resident events, except where two or three years are combined to provide more stability in rates. These cases are noted on the tables.

US figures are based on data reported in the National Center for Health Statistics (NCHS) Monthly Vital Statistics Reports (USDHHS, Public Health Service, Hyattsville, Maryland). Data are the most recently available; data years used are noted on the tables.

1990 goals are given in the NCHS publication Health: United States, 1986. (DHHS Publication No. PHS 87-1232. Public Health Service, Washington, US Government Printing Office, December, 1986).

1987 Natality at a Glance

Washington State 1987

Item	Data	Trend[1]	Comparable US Data[2]
Number of Births	70,329	N	
Birth Rate (per 1,000 population)	15.7	-	15.7
Fertility Rate (per 1,000 women aged 15-44	66.1	-	66.1
Low Birth Weight Births (2,500 grams or less)	5.4%	+	6.8%
Births to Unwed Mothers	20.8%	+	22.0%
Plural Births	2.2%	+	2.1%
First Child	40.9%	N	41.3%
Deliveries by Unlicensed Attendant	0.5%	-	0.6%
Births at Home	1.6%	N	1.0%

[1] - = decreasing, + = increasing, N = no change.
[2] Birth and fertility rates are for 1987; other US Data are for 1986.

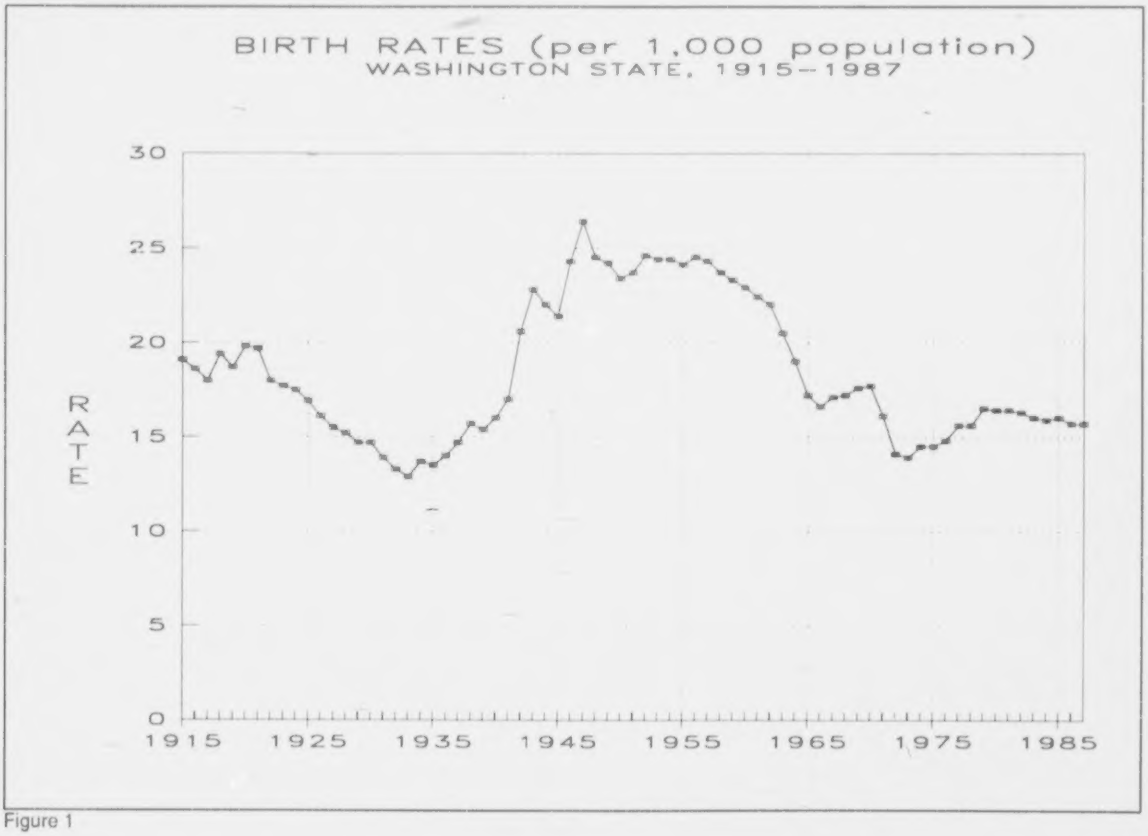


Figure 1

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
Family Planning				
Teen Birth Rate (per 1,000 girls in each age group)				
15 year olds	9.7	10	13.7	10
16 year olds	22.4	22	29.7	25
17 year olds	42.7	44	50.6	45
Infant and Maternal Health				
Percent Low Birth Weight (2,500 grams or less)				
All Births	5.4	5	6.8	5
White	4.9	5	5.6	9
Black	10.2	11	12.5	9
American Indian	6.5	7	6.1	9
Other	6.8	6	6.4	9
Maternal Mortality Rate (per 100,000 births)				
All Births	6.7	5	7.2	5
White	5.5	5	4.9	5
Black	19.9	10	18.8	5
Improved Services				
Percent Beginning Prenatal Care after 1st Trimester				
All Births	22.8	24	24.1	10
White	20.6	22	20.8	10
Black	36.5	36	38.4	10
American Indian	37.4	38	40.0	10

[1] Birth weight and prenatal care data are for 1987; other data are for 1985-1986.
[2] Teen data are for 1985; other US data are for 1986.

Areas of Concern

- Increase in birth rates for 15 year-olds (although goals will probably be met).
- Possible increase in proportion of low birth weight infants (although goals will still be met for all but Blacks).
- High maternal mortality rates for Blacks.
- High levels of late care, especially for Non-Whites.

1987 Mortality at a Glance

Washington State 1987

Item	Data	Trend[2]	Comparable US Data[3]
Number of Deaths	34,967	+	
Death Rate (deaths per 1,000 population)	7.8	+	8.7
Five Leading Cause[1] Death Rates (deaths per 100,000 population)			
Diseases of the Heart	254.3	-	313.4
Malignant Neoplasms	183.2	+	196.1
Cerebrovascular Disease	59.2	-	61.3
Chronic Obstructive Pulmonary Disease	38.8	+	32.2
All Accidents	37.7	-	39.0

[1] Mortality Table 1 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

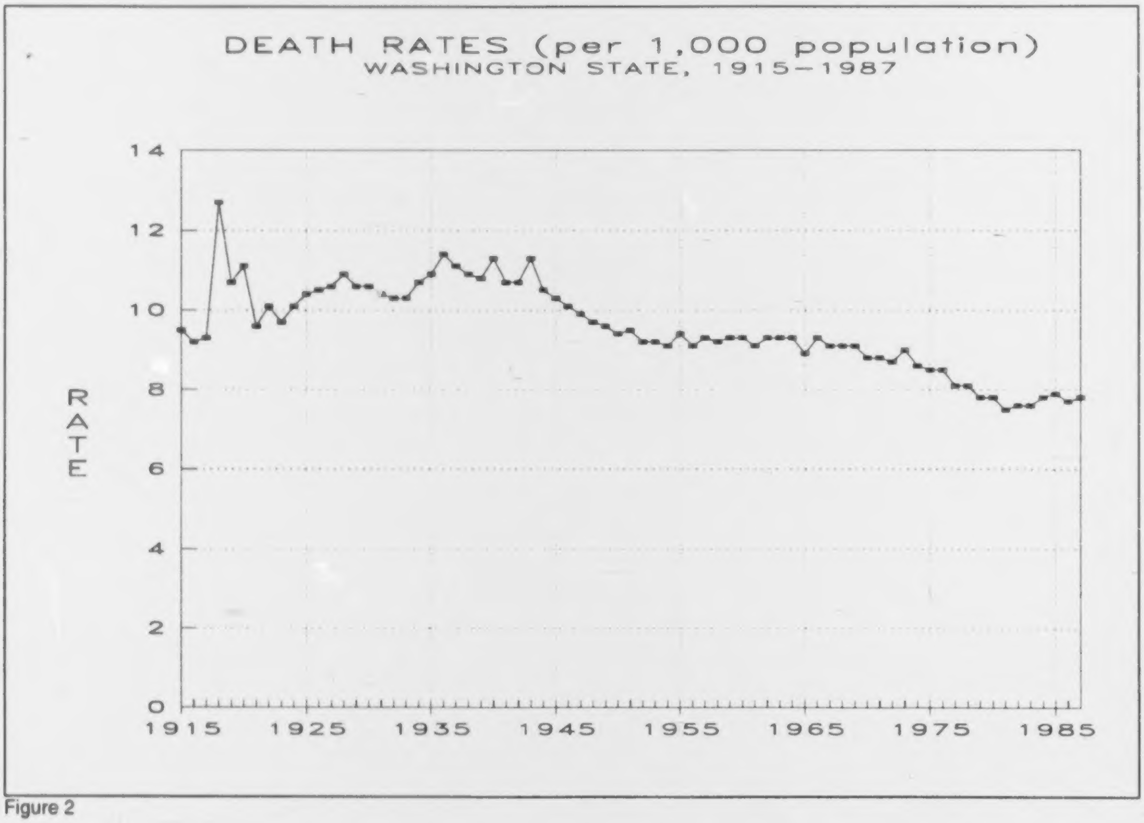


Figure 2

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Death Rates[1] Compared

	Washington State		United States	
	Current[2]	Projected 1990	Current[3]	1990 Goal
General Health				
Ages 1-14	33.3	32	33.3	34.0
15-24	100.5	95	102.1	92.0
25-64	341.9	320	423.2	400.0
Injury Prevention				
Motor Vehicle Accidents	18.8	17	20.1	18.0
Children under 15	7.4	7	7.0	5.5
Home Accidents				
Children under 15	5.4	5	4.8	5.0
Falls	5.6	5	5.0	2.0
Drowning	2.6	2	1.8	1.5
Stress and Violent Behavior				
Suicide: Ages 15-24	17.6	17	12.8	11.0
Male	27.7	28	19.9	11.0
Female	6.8	5	5.1	11.0
Alcohol Abuse				
Cirrhosis of the Liver	9.2	9	10.7	12.0
White	9.3	9	10.7	12.0
Black	11.8	12	12.8	12.0
American Indian	19.1	17	Not Available	12.0

[1] Rates based on deaths/100,000 population in group.

[2] Data Years: Ages 1-24, home and motor vehicle accidents, suicides (1986-87); all others (1987).

[3] Data Years: Home accidents, falls, drowning, sex-specific suicide rates (1985); race-specific cirrhosis rates (1986); ages 15-24, total suicides (1986-87); all others (1987).

Areas of Concern

- High motor vehicle accident death rates for children under 15.
- High death rates from falls and drowning for the general population.
- High suicide rates for the 15-24 age group, especially for males.
- High (though decreasing) Indian cirrhosis death rates; possibly increasing Black cirrhosis death rates.

1987 Infant Mortality at a Glance

Washington State 1987

Item	Data	Trend[2]	Comparable US Data[3]
Number of Infant Deaths	681	N	
Infant Death Rate (deaths per 1,000 live births)			
All Infant Deaths	9.7	N	10.0
Neonatal (0-27 days)	5.2	N	6.4
Postneonatal (28 days - 1 year)	4.5	N	3.5
Leading Cause[1] Death Rates (deaths per 100,000 population)			
Certain Causes of Mortality in Early Infancy	232.1	N	362.7
Sudden Infant Death Syndrome (SIDS)	259.2	N	116.1
Congenital Anomalies	217.9	N	207.0
Birth Injury and Anoxia	133.9	N	116.9

[1] Mortality Table 12 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

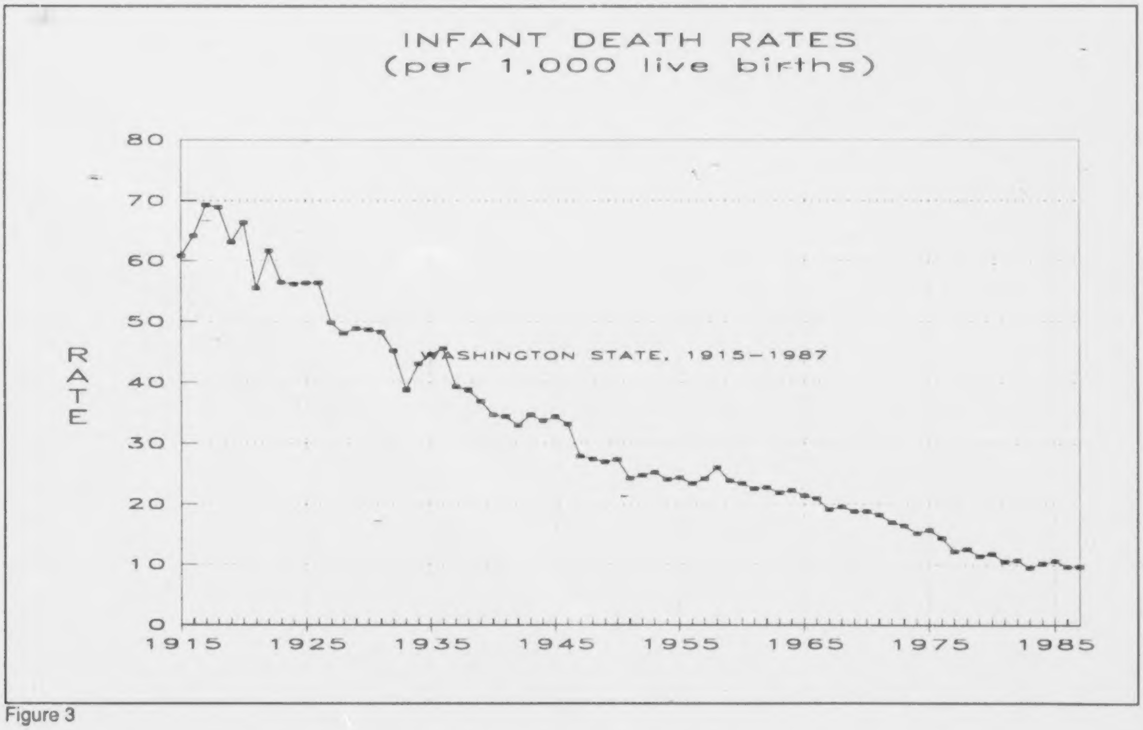


Figure 3

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Infant Death Rates Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
All Infant Deaths	9.7	10	10.0	9.0
Neonatal Deaths	5.2	5	6.5	6.5
Postneonatal Deaths	4.5	5	3.4	2.5
Racial Groups				
White	9.6	10	8.9	12.0
Black	14.5	14	18.0	12.0
American Indian	11.5	10	9.5	12.0

[1] Race-specific mortality rates are for 1986-87; other data are for 1987.

[2] White and Black mortality rates are for 1986; Indian rates are for 1985; other US figures are for 1987.

Areas of Concern

- High postneonatal death rates. This is a major concern. Washington State has the sixth highest postneonatal mortality rate in the nation. Much of the postneonatal mortality is due to Sudden Infant Death Syndrome (SIDS). Washington State's SIDS death rates are considerably higher than US rates (see previous page).
- High Black infant mortality rates.

1987 Fetal Mortality at a Glance

Washington State 1987

Item	Data	Trend[1]	Comparable US Data[2]
Number of Fetal Deaths	411	-	
Fetal Death Ratio (deaths per 1,000 live births)	5.8	-	7.3

[1] - = decreasing, + = increasing, N = nochange.

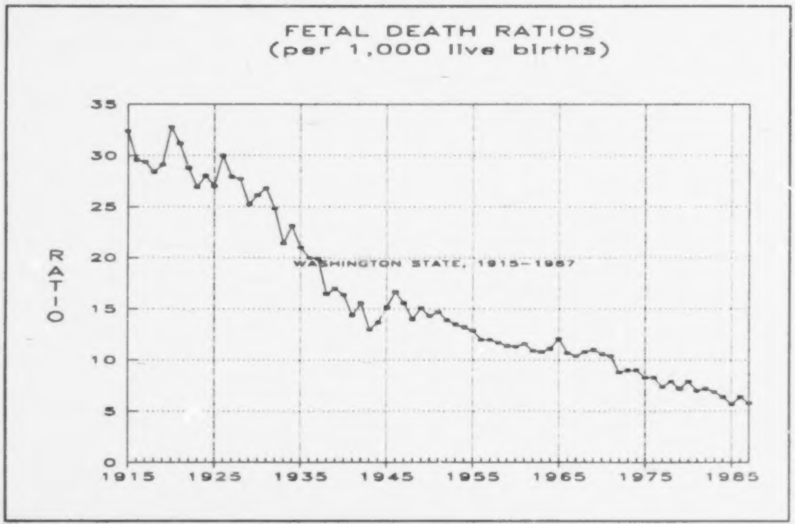


Figure 4

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Fetal Death Rates Compared

	Washington State		United States	
	Current	Projected 1990	Current	1990 Goal
Perinatal Death Rate[1] (deaths per 1,000 live birth)	8.4	8	10.8	5.5

[1] Perinatal deaths include late fetal deaths (28+ weeks) plus early neonatal deaths (less than 7 days). Rates published elsewhere in this report include feal deaths of 20+ weeks gestation.

Areas of Concern

- Perinatal mortality rates above the goal. The goal appears to be lower than the neonatal goal alone and may thus be unrealistic.

Induced Terminations of Pregnancy

Introduction

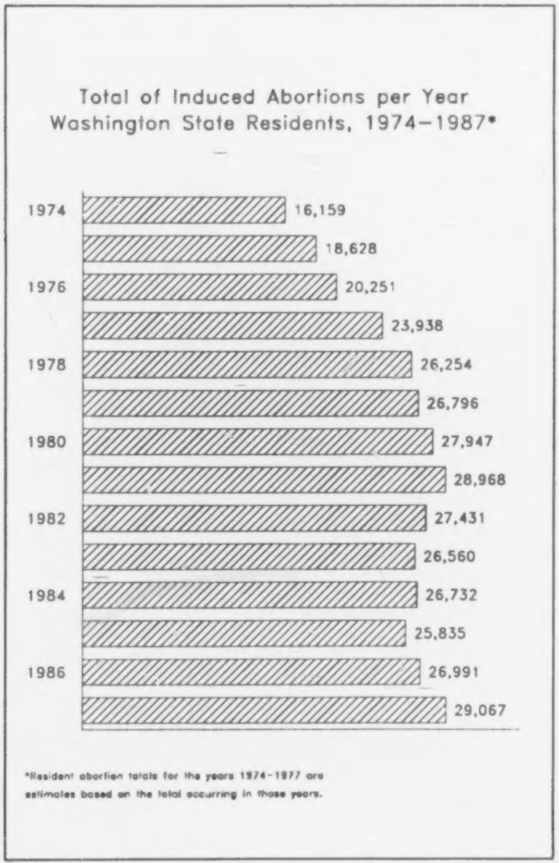
Abortion surveillance has been conducted by State public health officials since December, 1970. Induced abortion had become a legally allowable procedure in Washington State the previous month, when the then existing criminal abortion statute was overturned by referendum. The new law, which had some restrictions, was later superceded by United States Supreme Court decision in Roe v. Wade (1973).

Initially, the purpose of the abortion reporting system was to evaluate the safety and adequacy of procedures. The data are also important for assessment in two other areas of public health concern: 1) prevention of unwanted pregnancies and 2) access to abortion services. Trends pertinent ~~to~~ each of these issues are illustrated in graphs and by map on this and the following pages. In addition, both state and county data are arrayed in the Induced Terminations of Pregnancy chapter of the tables section.

All the usual problems of data collection—underreporting, incompleteness, and inaccuracy—impose qualifications on any conclusions. See the Technical Notes, Appendices A and B, in this report for more detail on reporting problems and definitional issues.

Overview

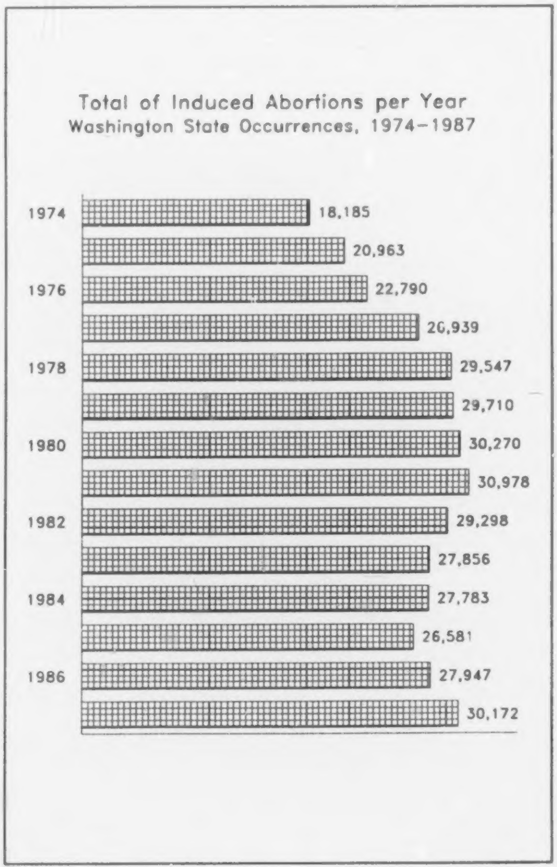
The totals for both Washington State resident abortions and abortion occurrences increased in 1987—from 26,991 to 29,067 (7.7%) and from 27,947 to 30,172 (8.0%), respectively.



Total of Induced Abortions per Year
Washington State Residents, 1974–1987*

*Resident abortion totals for the years 1974-1977 are estimates based on the total occurring in those years.

Figure 5



Total of Induced Abortions per Year
Washington State Occurrences, 1974–1987

Figure 6

Although change took place across nearly all age groups, there were both absolute and proportionate differences in age groups among both residents and occurrences.

The greatest proportional change within any one age group for induced terminations occurring in the State was in those aged 40-44 (+38%). The greatest differences in raw figures were for 25-29 year-olds (+495) and 20-24 year olds (+490).

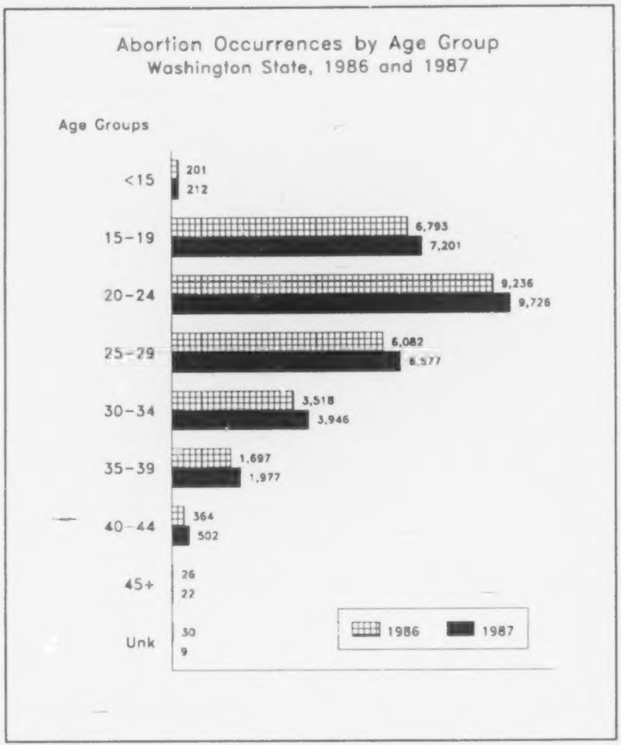


Figure 7

Among residents, the greatest percentage gain was again among those 40-44 years old (+26%) and the greatest absolute difference was in the 20-24 age group (+505).

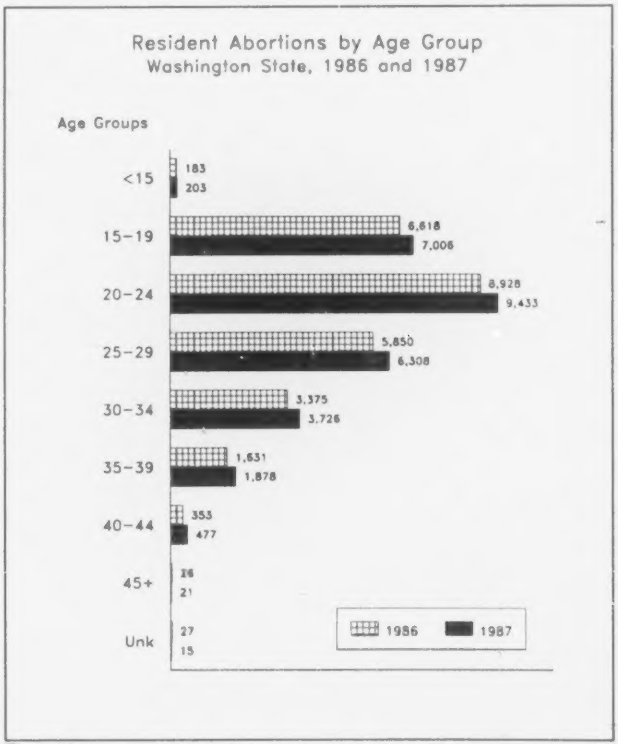


Figure 8

Mortality

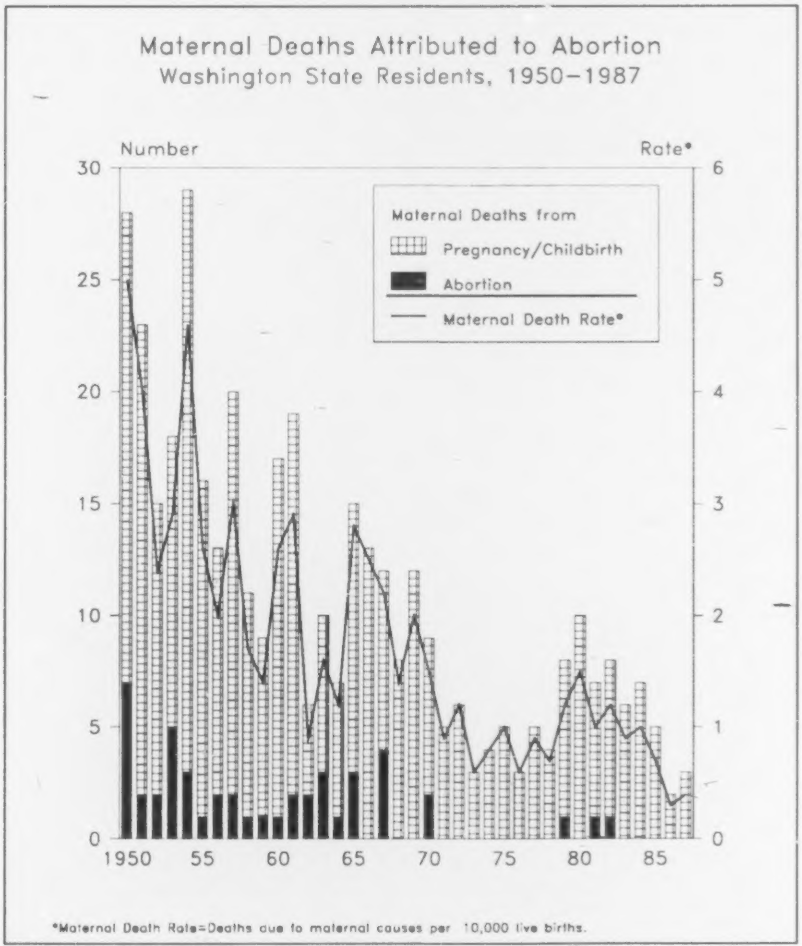


Figure 9

Trends in abortion related mortality show that abortion has been nearly eliminated as a contributing factor in maternal deaths. Maternal deaths are deaths to women which are a result of complications of pregnancy or occur within six weeks of either live birth or abortive outcome. The maternal death rate is equal to the number of these deaths per 10,000 live births.

The data illustrated in the chart above do not differentiate between legal and illegal abortions. The two deaths in 1970 took place prior to the passage of the referendum in that year. The three deaths which occurred in the years following 1970 were the result of complications—one each, from: a legally induced abortion procedure (performed as a consequence of IUFD, intrauterine fetal demise) in 1979, a self-induced abortion in 1981, and a spontaneous abortion in 1982.

Nationally, the death-to-case rate, that is the number of deaths per 100,000 legally induced abortions, was 0.8 in 1983, 0.8 in 1984, and provisionally 0.5 in 1985.[1]

[1] United States Department of Health and Human Services, Centers for Disease Control, Center for Chronic Disease, Prevention, and Health Promotion, Division of Reproductive Health, Abortion Statistics, U.S. 1984-1985 (Prerelease to State Health Agencies, 1989). Atlanta, GA: 1989.

Morbidity

Typically, second trimester abortions have a higher complication rate than first trimester terminations. It should be noted that the division between first and second trimester is somewhat arbitrary at twelve weeks and complications are not always completely reported for either semester. (See Technical Notes, Appendix B, in this report.)

Retained products was the most frequently reported complication in either trimester in 1987. Some complications, e.g. infection, may be artificially low due to the completion of reporting forms before the complication is known.

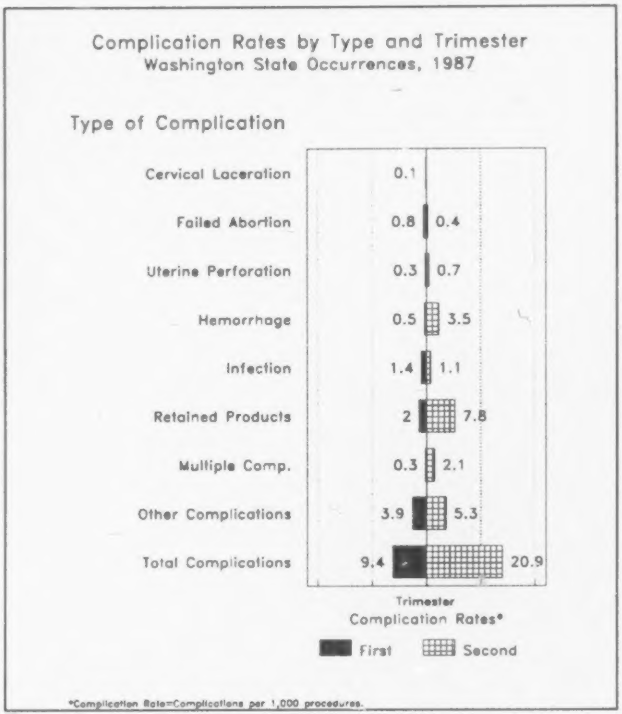


Figure 10

In December, 1982 the abortion law was liberalized to allow second trimester procedures in approved nonhospital facilities. This factor and improved reporting may account for some of the rise in second trimester abortions that has occurred since 1983. In 1987, the number of second trimester procedures declined for the first time since 1982.

The 1987 complication rates in Figure 11 include 95 cases of minor complications reported under "other complications." Reports of "unexplained pain" and "hemorrhage less than 500cc." form 75% of the "other complications" category. Prior to 1986, such complications were suppressed before publication. This accounts for most of the increase in the complication rate.

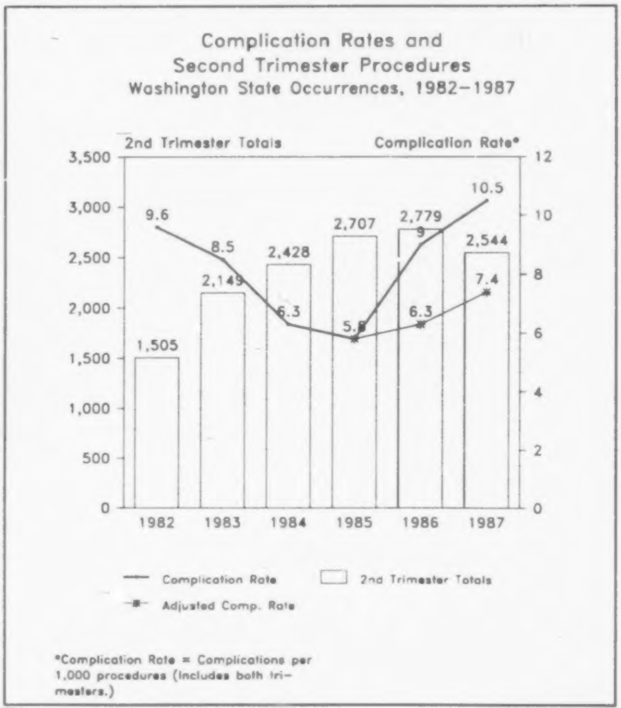


Figure 11

Rates and Ratios

Pregnancy, abortion, and fertility rates and the abortion ratio are statistical indicators frequently used to assess need and efficacy of programs for the prevention of unwanted pregnancy. In 1987, the abortion rate (abortions per 1,000 women aged 15-44) for Washington State residents rose for the first time in six years to 27, up two points over the 1986 rate. A look at pregnancy, fertility, and abortion rates over the past eleven years, however, shows that all the rates are lower in the most recent six (1982-1987) than they were in the earlier five (1977-1981). A similar pattern is shown by the abortion ratio.

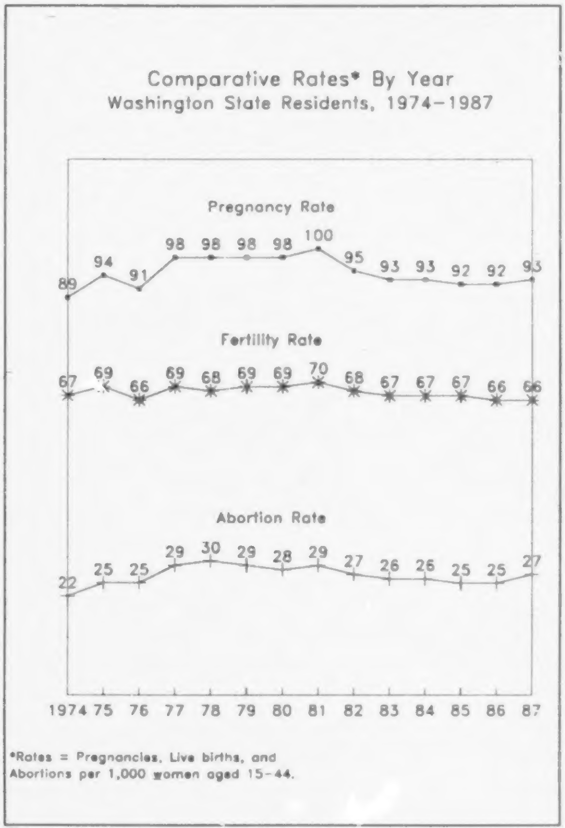


Figure 12

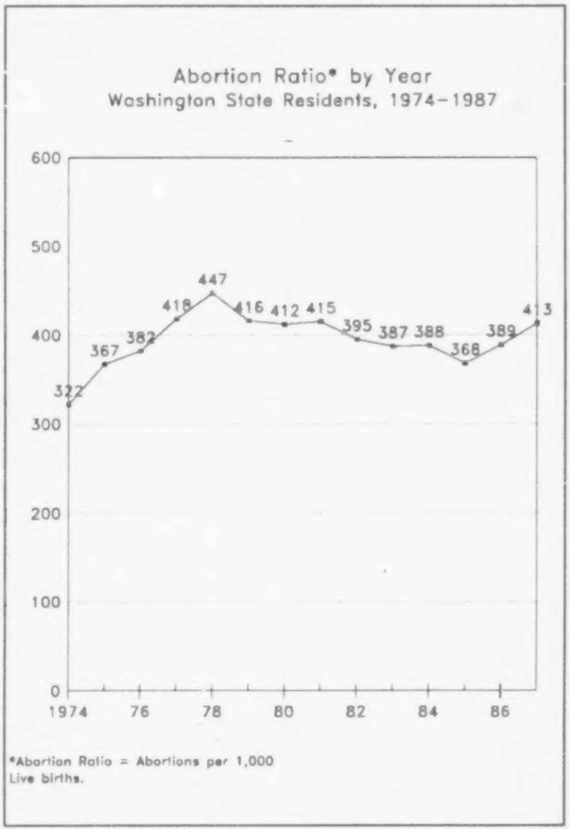
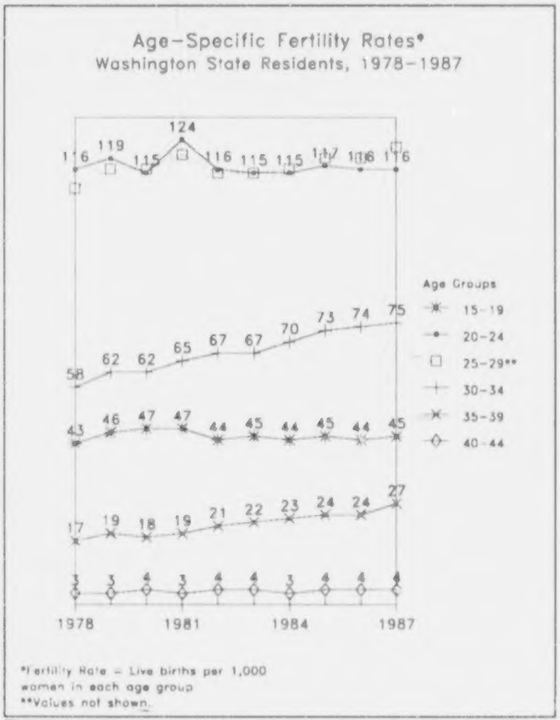


Figure 13

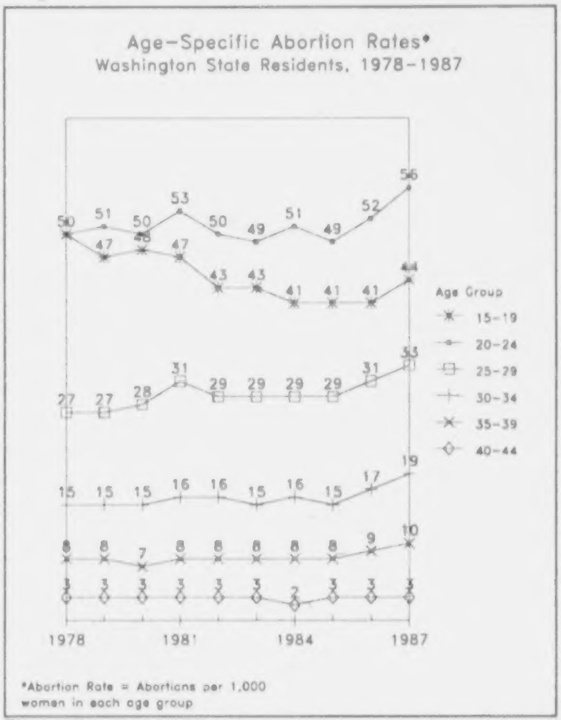
Abortion rates can be affected by either or both a change in the number of women getting pregnant (expressed mathematically by the pregnancy rate) or by the number of pregnant women choosing abortion (expressed indirectly by abortion ratios). In 1987, an increase in the abortion ratio of 6.2% was enough when coupled with a one point rise in the pregnancy rate to have an appreciable affect on the abortion rate. There was no change in the state's fertility rate over the previous year.

The three age-specific charts on the following page show age group differences in abortion ratios and abortion and fertility rates. Since 1978, the greatest change within individual age groups has been in fertility rates among 35-39 year-olds and 30-34 year-olds (+37% and +29%, respectively). In the same ten years, the 15-19 year-olds were the only age group to show a decline in either rate, exhibiting a 12% decrease in their abortion rate.


Age-Specific Fertility Rates*
Washington State Residents, 1978-1987

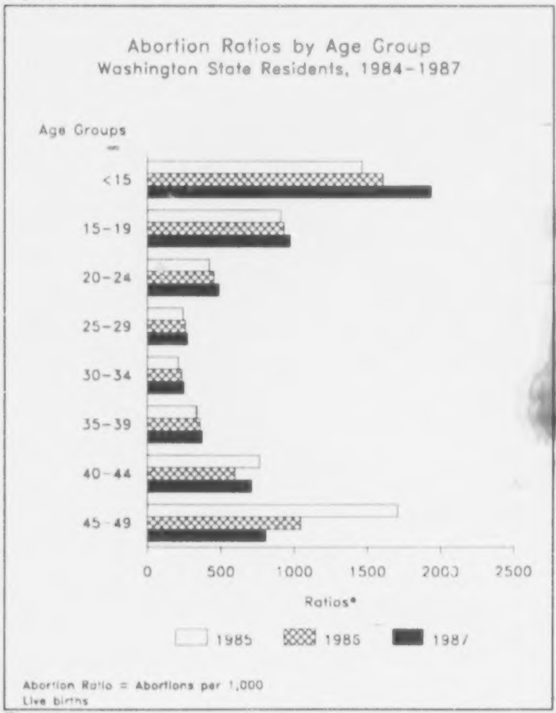
*Fertility Rate = Live births per 1,000 women in each age group
**Values not shown.

Figure 14


Age-Specific Abortion Rates*
Washington State Residents, 1978-1987

*Abortion Rate = Abortions per 1,000 women in each age group

Figure 15


Abortion Ratios by Age Group
Washington State Residents, 1984-1987

Abortion Ratio = Abortions per 1,000 Live births

Figure 16

An examination of abortion ratios over the past three years by age groups reveals increases in all but the oldest age groups (40-44 years of age and 45 and older).*

The figures on the next two pages illustrate the abortion and fertility rates by county for women aged 15-44 (Figure 17) and 15-17 (Figure 18). In addition, each chart shows the counties ranked by a third variable—abortion ratio and pregnancy rate, respectively. These variables were chosen for ranking based on their ability to reveal a discernable pattern in each chart and the pertinence to prevention of unwanted pregnancies each variable has for each age group. (The highest levels for these variables are at the top of each chart.)

*It should be understood that abortion ratios are more mercurial than rates because they are based on smaller divisors—small differences in total events can make large differences in the ratios from year to year. Furthermore, differences can be compounded. If total pregnancies remain the same, an increase in live births automatically creates a decrease in abortions or vice versa; thereby, doubling the effect on an abortion ratio.

The figure below shows county abortion and fertility rates and ranking by abortion ratio.

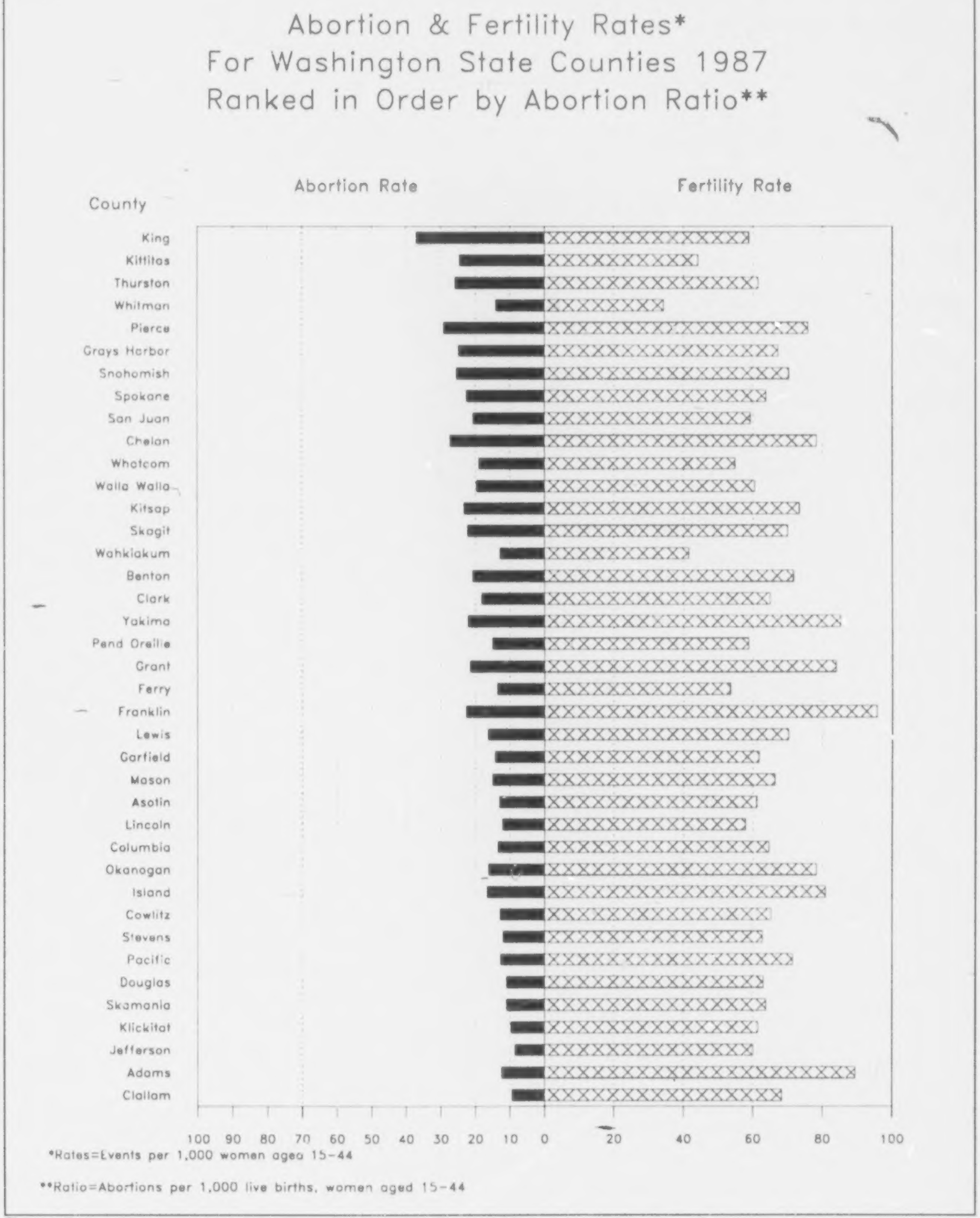
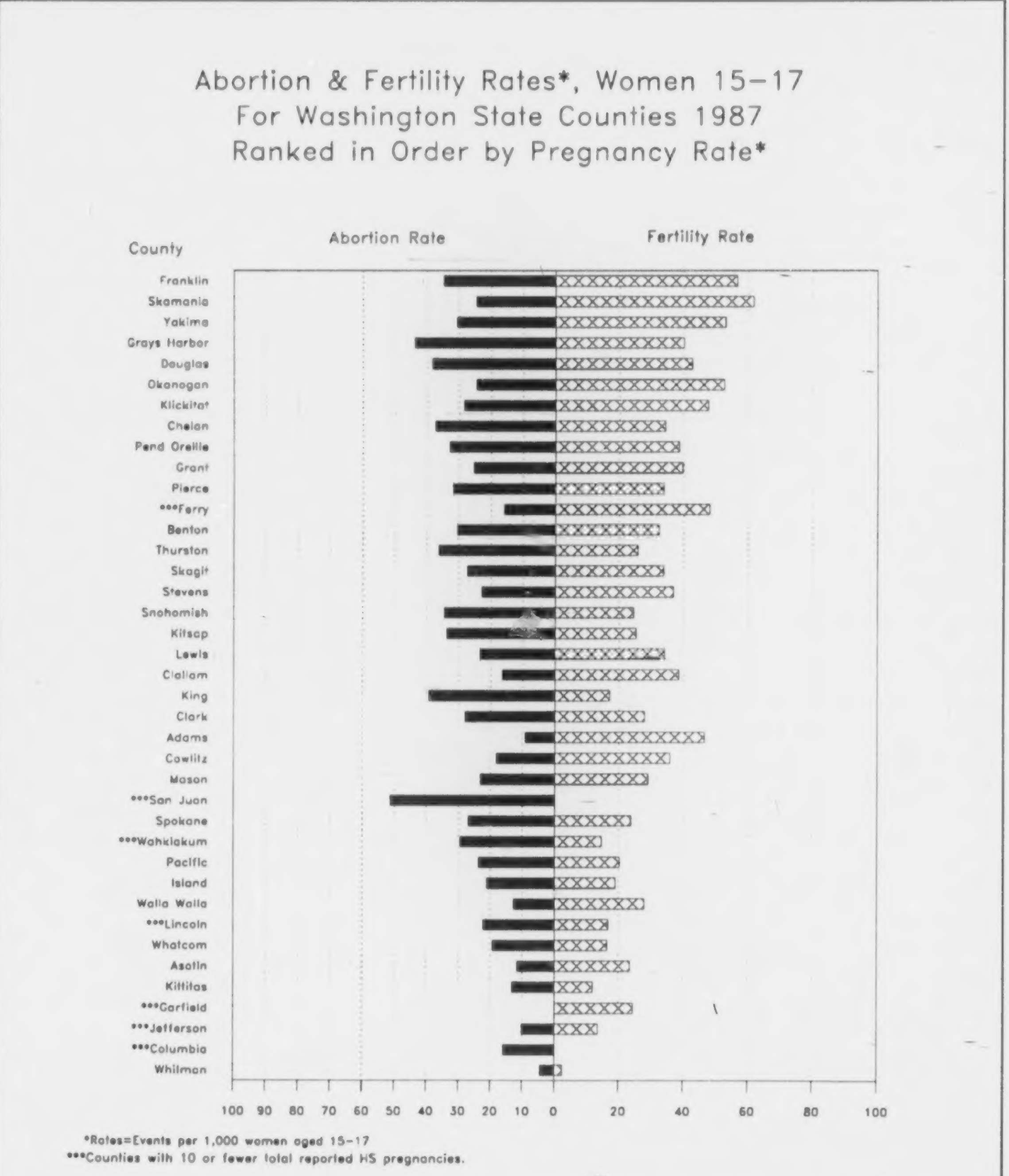


Figure 17

The chart on this page illustrates fertility and abortion rates for 15-17 year-olds in the 39 counties and ranks them by pregnancy rate for this age group. Some counties have very small populations of high-school-age women. For these counties, a small number of pregnancies in this age group often formulates a comparatively high rate. In these instances, data for several years should be examined. Seven counties (Columbia, Ferry, Garfield, Jefferson, Lincoln, San Juan, and Wahkiakum) had a total of ten or fewer pregnancies among high school age women.



*Rates=Events per 1,000 women aged 15–17

***Counties with 10 or fewer total reported HS pregnancies.

Figure 18

Repeat Abortion

Repeat abortion is the commonly used term for cases with a patient history of one or more previous induced termination. Besides failure to take precautions to prevent pregnancy, there are a myriad of possible reasons, for a history of a repeat abortion (or for obtaining any abortion, for that matter), e.g., contraceptive failure, fetal or maternal health problems, changes in economic, social, or psychological circumstances, incest, and/or rape.[2] Adding to the complexity, many patients with a history of previous termination also show a history of one or more previous live births. No data is collected by the Washington State Abortion Reporting System on patients' use of contraceptives or reasons for choosing abortion.

Pregnancy history has been collected by the Abortion Reporting Form since 1981. Comparisons by age group should reflect an awareness of two countervailing factors at work in age-specific data on repeat abortion: 1)Older women are more at risk for repeat abortion because chances of a previous abortion is a function of age, and 2) Younger women are more at risk for repeat abortion because abortion has been legal for a longer proportion of their lives.

Figure 19 portrays the percentage of previous induced terminations by age. Unknowns were not tabulated. They approximate six to nine percent each year in each age group.

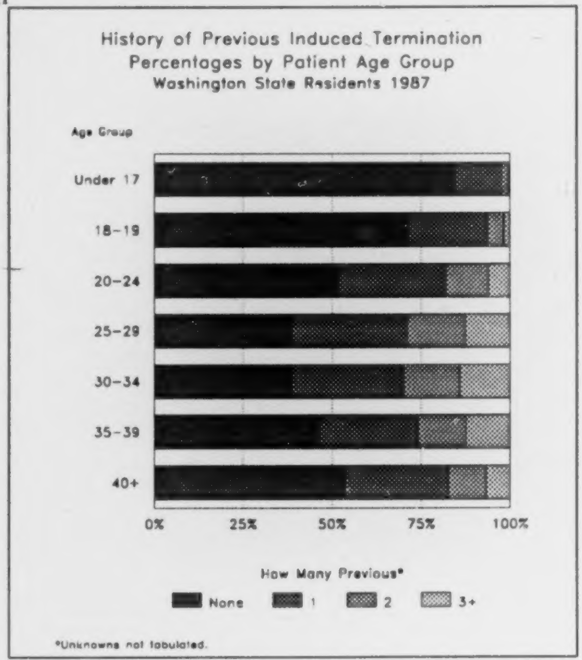


Figure 19

Figure 20 shows the trends in repeat abortion rates for women aged 15-19 and 20-24 and the percentage of previous live births in patient histories of previous abortion for these same age groups. The trendline for the repeat abortion rate (repeat abortions per 1,000 procedures) for the younger age group has remained nearly flat. (Slope = -0.82; Corr = -0.25). For 20-24 year-olds, it shows a slight by moderately steady increase over the seven years. (Slope = +7.35; Corr = +0.82). Both age groups contain a fairly consistent proportion of patients with a history of both a previous abortion and a previous live birth.

This year repeat abortions by patient's age by county of residence are arrayed in the tables section of this report.

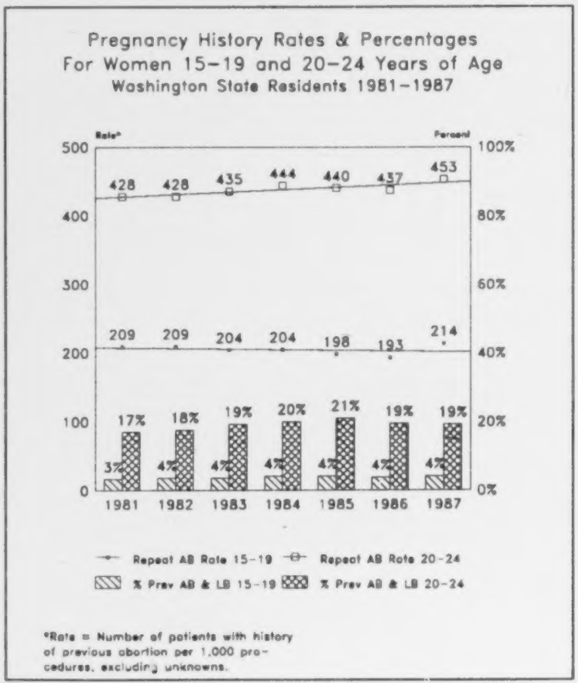


Figure 20

[2] See Aida Torres and Jacqueline Darroch Forrest. "Why Do Women Have Abortions?" Family Planning Persepectives, July/August 1988.

Access to Care

In the past six years, there has been a reduction in abortion service providers. From 1982 to 1987 the total number of facilities declined 15. Three were among those reporting fewer than 10 procedures; seven, between 10 and 49; and five, 50 or more. Since there has not been a corresponding drop in the number of abortions provided, the effect of this decline has been an increased concentration of patient load among fewer providers.

The map below depicts abortion services for counties with populations of 10,000 or more women between the ages of 15 and 44. Seven of these larger counties (Benton, Chelan, Cowlitz, Grays Harbor, Kitsap, Lewis, and Walla Walla) have no providers within their boundaries although all are adjacent to counties which do.

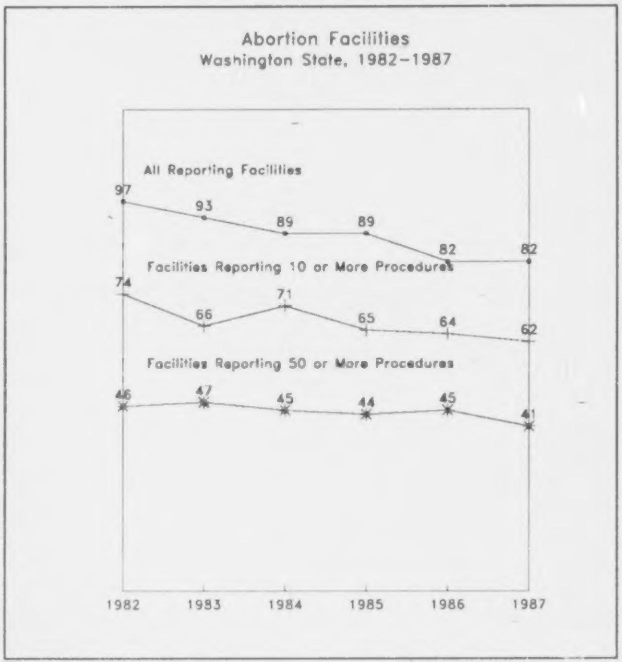
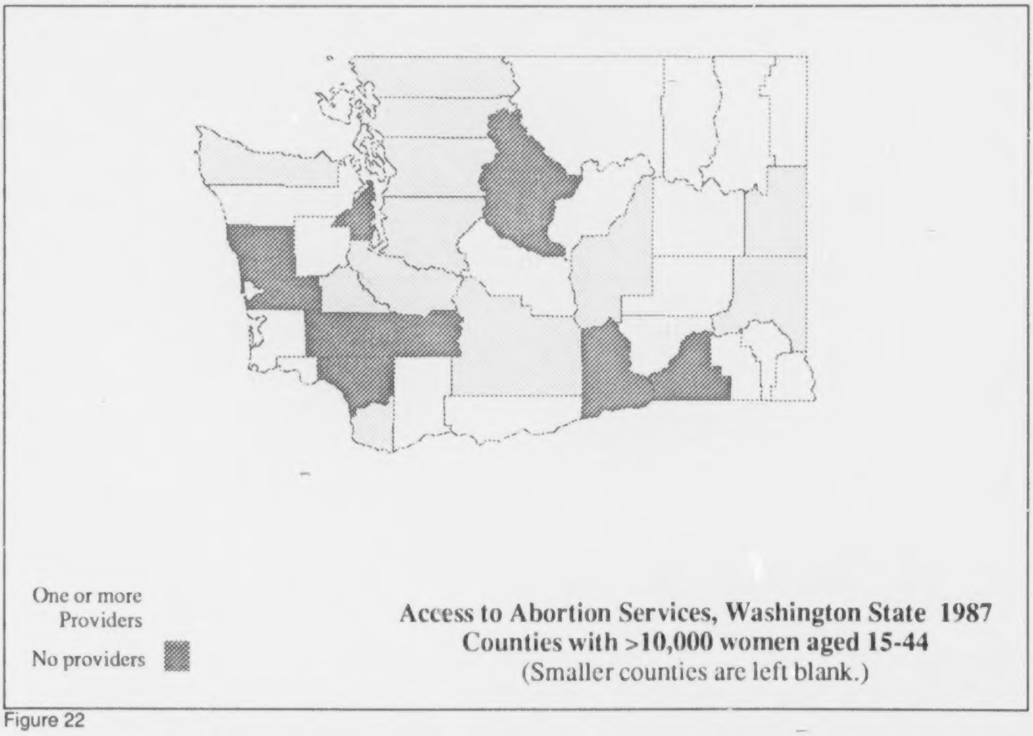


Figure 21



Access to Abortion Services, Washington State 1987
Counties with >10,000 women aged 15-44
(Smaller counties are left blank.)

Figure 22

A decline in health care providers is always a public health concern because of the increased potential for adverse effects on patient health. Thus, in addition, to the ongoing concern regarding safety of procedure, attention must remain focused on maintaining access to care, as well as, prevention of the conditions which necessitate that care—in this case, that is—unwanted pregnancy.

TABLES

Summary of the Number of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, with Rates
Washington State 1920-1987

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate[2]	Number	Rate[3]	Number	Ratio[2]
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate	Number	Rate[3]	Number	Ratio[2]
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	8	1.2	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	10	1.5	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	7	1.0	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	8	1.2	501	7.2
1983	4,285,100	68,705	16.0	32,631	7.6	653	9.5	6	0.9	474	6.9
1984	4,328,100	68,947	15.9	33,788	7.8	704	10.2	7	1.0	444	6.4
1985	4,384,100	70,226	16.0	34,475	7.9	747	10.6	5	0.7	403	5.7
1986	4,419,700	69,431	15.7	34,166	7.7	675	9.7	2	0.3	445	6.4
1987	4,481,100	70,329	15.7	34,967	7.8	681	9.7	3	0.4	411	5.8

[1] Per 1,000 Population

[2] 1961-1969 population figures are revised estimates provided by the Office of Program Planning and Fiscal Management.

[3] 1979-1982 maternal death figures are revised totals based on studies conducted by the Health Data Unit.

NATALITY

Table 1
Live Births in Washington State by Selected Topics, 1987

A. Residence, Sex and Race

	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2
White	58,349	30,046	28,301	2
Black	3,471	1,750	1,721	
Mexican/Chicano	2,144	1,081	1,063	
American Indian	1,871	976	895	
Japanese	298	133	165	
Chinese	203	115	88	
Filipino	621	322	299	
Other Asian	2,572	1,356	1,216	
Other	20	13	7	
Unknown	780	403	377	

B. Residence, Mother's Age Group by Sex

	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2
Under 15	105	62	43	
15-17	2,477	1,242	1,235	
18-19	4,741	2,440	2,301	
20-24	19,324	9,907	9,417	
25-29	22,924	11,822	11,101	1
30-34	14,942	7,667	7,274	1
35-39	5,055	2,661	2,394	
40-44	671	347	324	
45 and Over	29	13	16	
Unknown	61	34	27	

C. Residence, Order of Birth to Mother

Total	Number	Percent
Total	70,329	100.0%[1]
1st Child	27,955	39.7
2nd Chld	23,178	33.0
3rd Child	10,932	15.5
4th Child	3,964	5.6
5th Child	1,343	1.9
6th Child	537	0.8
7th Child	247	0.4
8th Child	114	0.2
9th Child	68	0.1
10th or More	69	0.1
Unknown	1,922	2.7

D. Residence, Attendant at Birth

	Number	Percent
Total	70,329	100.0%[1]
MD	65,437	93.0
Osteopath	1,245	1.8
Licensed Midwife	725	1.0
Certified Midwife	1,939	2.8
Other Midwife	85	.1
Nurse	379	.5
Father/Mother	71	.1
Other	201	.3
Unknown	247	.4

E. Residence, Maternal Smoking

	Number	Percent
Total	70,329	100.0%[1]
Yes	16,617	23.6
No	49,693	70.7
Unknown	4,019	5.7

F. Residence, Multiple Live Births

Sets of Twins	737
Sets of Triplets	14

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[1] Detail may not add to 100% due to rounding.

Table 1 (continued)
Live Births in Washington State by Selected Topics, 1987

G. Residence and Occurrence, Sex by Birth Weight in Grams

Grams	Residence				Occurrence			
	Total	Male	Female	Unknown	Total	Male	Female	Unknown
Total	70,329	36,195	34,132	2	69,346	35,662	33,682	2
1,000 and under	258	148	110		249	143	106	
1,001 - 1,500	326	164	162		324	172	152	
1,501 - 2,000	716	375	341		705	373	332	
2,001 - 2,500	2,454	1,139	1,315		2,401	1,116	1,285	
2,501 - 3,000	8,911	3,866	5,044	1	8,800	3,811	4,988	1
3,001 - 3,500	24,250	11,490	12,759	1	23,970	11,368	12,601	1
3,501 - 4,000	23,000	12,486	10,514		22,661	12,280	10,381	
4,001 - 4,500	8,257	5,131	3,126		8,125	5,036	3,089	
4,501 and over	1,888	1,251	637		1,842	1,219	623	
Unknown	269	145	124		269	269	125	

H. Residence and Occurrence, Live Births and Fetal Deaths by Month

Months	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	70,329	69,346	411	413
January	5,366	5,297	43	44
February	5,231	5,170	43	42
March	6,022	5,943	34	34
April	6,163	6,074	42	40
May	6,225	6,142	38	39
June	6,138	6,033	30	30
July	6,300	6,193	35	36
August	6,125	6,051	20	20
September	5,967	5,879	29	30
October	5,763	5,694	35	35
November	5,346	5,275	31	32
December	5,683	5,595	31	31

Table 1 (continued)
Live Births in Washington State by Selected Topics, 1987

I. Occurrence, Method of Deleivery

Method	Total	Normal Labor	Induced Labor	Unknown
Total	69,346	61,146	2,472	5,728
Vaginal Delivery	42,133	40,361	1,772	
Primary C-Section	8,365	8,074	291	
Repeat C-Section	4,946	4,920	26	
Vacuum Extraction	2,572	2,460	112	
Outlet Forceps	4,588	4,357	231	
Vaginal Delivery After Previous C-Secton	571	547	24	
Other	443	427	16	
Unknown	5,728			5,728

J. Occurrence, Type of Place

Type of Place	Number	Percent
Total	69,346	100.0%[1]
General Hospital	63,628	91.8
Federal Facility	4,085	5.9
Home	1,125	1.6
Birth Center	239	0.3
Born On Arrival	68	0.1
Other and Unknown	201	0.3

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[1] Detail may not add to 100% due to rounding.

S00310D-HBI

Table 2

Live Births by Race by Birth Weight, Washington State Residents 1987

Birth Weight in Grams	Total	White	Black	Mexican/ Chicano	American Indian	Japanese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	70,329	58,349	3,471	2,144	1,871	298	203	621	2,572	20	780
1,000 And Under	258	201	31	3	2	1		3	14		3
1,001 - 1,500	326	241	37	7	14	1	1	3	19	1	2
1,501 - 2,000	716	553	73	13	25	3	1	4	32		12
2,001 - 2,500	2,454	1,884	213	74	80	7	7	38	117	1	33
2,501 - 3,000	8,911	6,953	683	280	240	34	37	125	462	4	93
3,001 - 3,500	24,250	19,722	1,300	823	640	145	90	250	1,024	5	251
3,501 - 4,000	23,000	19,635	887	676	606	87	52	151	670	5	231
4,001 - 4,500	8,257	7,318	196	207	196	18	10	39	178	4	91
4,501 And Over	1,888	1,647	45	58	63	2	3	7	46		17
Not Stated	269	195	6	3	5		2	1	10		47

S00310C-HBI

Table 3

Live Births by Mother's Age by Birth Weight, Washington State 1987

Birth Weight in Grams	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
1,000 and Under	258	4	10	24	66	73	61	14	4	1	1
1,001 - 1,500	326		15	25	115	91	56	17	6		1
1,501 - 2,000	716	1	35	59	212	184	169	44	8		4
2,001 - 2,500	2,454	7	109	211	702	722	493	184	24		2
2,501 - 3,000	8,911	21	421	729	2,640	2,796	1,662	554	73	6	9
3,001 - 3,500	24,250	42	954	1,744	6,986	7,829	4,837	1,611	223	6	18
3,501 - 4,000	23,000	24	716	1,415	6,064	7,766	5,092	1,706	198	9	10
4,001 - 4,500	8,257	4	174	433	2,003	2,782	2,056	694	97	5	9
4,501 and Over	1,888	2	31	87	461	614	446	208	32	2	5
Not Stated	269		12	14	75	67	70	23	6		2

S02680A-HBI

Table 4

Live Births by Mother's Age by Month Prenatal Care Began

Month Prenatal Care Began	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Total	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
First	10,289	7	138	336	2,302	3,804	2,728	863	101	8	2
Second	26,243	13	487	1,103	6,571	9,514	6,249	2,041	231	5	29
Third	15,769	15	520	1,077	4,458	4,984	3,313	1,215	174	4	9
Fourth	6,559	16	373	710	2,170	1,812	1,070	352	48	5	3
Fifth	3,479	16	288	507	1,264	832	385	149	34	3	1
Sixth	2,100	8	193	304	744	496	260	76	18	1	
Seventh	1,325	5	151	211	464	303	137	49	4	1	
Eighth	1,042	10	109	149	373	216	137	39	9		
Ninth	382	2	42	44	144	85	47	14	4		
No Care	543	6	58	82	179	118	68	26	4		2

S02690A-HBI

Table 5

Live Births by Number of Prenatal Visits by Month Care Began, Washington State Residents 1987

Number of Prenatal Visits	Month Care Began					
	Total	1-3	4-6	7-9	No Care	Unknown
Total	70,329	52,301	12,138	2,749	543	2,598
9 or More	54,132	46,522	6,897	266		447
5 - 8	9,275	3,802	4,236	1,117		120
1 - 4	2,613	504	738	1,299		72
No Visits	543				543	
Unknown	3,766	1,473	267	67		1,959

Table 6

Live Births with Rates by Place of Residence by Sex and Place of Occurrence, Washington State 1987

County and City	Residence				Occurrence	
	Number	Rate	Male	Female	Number	Rate
State Totals	70,329	15.7	36,195	34,132	69,346	15.5
Adams	276	19.7	145	131	289	20.6
Asotin	229	13.3	120	109	1	.1
Benton	1,824	17.5	957	867	2,162	20.8
Kennewick	799	21.4	424	375	808	21.7
Richland	450	14.9	244	206	1,044	34.5
Chelan	804	16.5	423	381	1,161	23.8
Wenatchee	349	18.9	200	149	1,082	58.5
Clallam	764	14.3	368	396	765	14.3
Port Angeles	286	16.6	125	161	672	38.9
Clark	3,283	15.6	1,719	1,564	2,224	10.6
Vancouver	1,402	32.3	745	657	2,208	50.9
Columbia	48	11.7	21	27	10	2.4
Cowlitz	1,177	14.9	602	575	1,228	15.5
Kelso	221	20.7	111	110	5	.5
Longview	485	16.4	251	234	1,219	41.3
Douglas	343	14.6	185	158	4	.2
Ferry	71	11.8	36	35	36	6.0
Franklin	742	20.9	353	389	560	15.8
Pasco	465	25.1	225	240	559	30.2
Garfield	26	10.8	16	10		
Grant	934	17.9	480	454	760	14.6
Moses Lake	213	20.1	110	103	596	56.2
Grays Harbor	903	14.3	481	422	591	9.4
Aberdeen	239	14.1	124	115	579	34.1
Island	912	17.5	443	469	776	14.9
Oak Harbor	390	27.9	185	205	3	.2
Jefferson	217	12.0	89	128	168	9.3
King	20,431	14.8	10,508	9,922	22,774	16.4
Auburn	525	17.3	273	252	555	18.3
Bellevue	903	11.0	471	432	2,280	27.8
Des Moines	106	7.7	54	52	2	.1
Kent	527	17.5	258	269	30	1.0
Kirkland	316	16.3	156	160	1,734	89.2
Mercer Island	148	7.1	78	70	2	.1
Redmond	443	14.6	250	193	1,431	47.3
Renton	646	18.3	325	321	2,597	73.4
Seattle	6,870	14.0	3,538	3,331	13,349	27.2
Kitsap	2,804	16.6	1,454	1,350	2,468	14.6
Bremerton	888	27.4	441	447	1,753	54.1
Kittitas	284	11.3	138	146	251	10.0
Ellensburg	130	11.3	55	75	250	21.7
Klickitat	214	13.0	112	102	191	11.6
Lewis	840	14.7	430	410	871	15.3
Centralia	225	19.0	114	111	392	33.1
Lincoln	109	11.2	56	53	17	1.8
Mason	478	13.3	244	234	255	7.1
Okanogan	532	16.8	273	259	531	16.8
Pacific	224	12.9	120	103	120	6.9
Pend Oreille	109	12.2	50	59	59	6.6
Pierce	9,634	17.9	4,892	4,742	10,502	19.5
Puyallup	351	17.7	175	176	1,301	65.6
Tacoma	3,291	20.7	1,654	1,637	6,402	40.3
San Juan	112	12.2	55	57	3	.3
Skagit	1,060	15.3	576	484	1,322	19.0
Anacortes	144	14.2	78	66	165	16.2
Mount Vernon	267	18.5	139	128	825	57.3
Skamania	110	14.1	50	60	2	.3
Snohomish	6,798	17.3	3,605	3,193	4,701	11.9
Edmonds	406	14.3	221	185	1,462	51.7
Everett	1,371	22.8	719	652	2,728	45.4
Lynnwood	539	22.2	295	244	12	.5
Mountlake Terrace	291	18.1	148	143	5	.3
Spokane	5,367	15.1	2,769	2,598	6,085	17.1
Spokane (city)	2,943	17.1	1,506	1,437	5,669	32.9
Stevens	424	14.0	215	209	250	8.3
Thurston	2,173	14.9	1,091	1,082	2,039	14.0
Lacey	214	13.5	108	106	7	.4
Olympia	660	22.3	337	323	2,020	68.2
Wahkiakum	29	8.1	14	15		
Walla Walla	635	13.1	325	310	880	18.2
Walla Walla (city)	412	16.2	203	209	879	34.6
Whatcom	1,587	13.5	797	790	1,551	13.2
Bellingham	634	13.7	311	323	1,531	33.0
Whitman	385	9.8	207	178	398	10.2
Pullman	217	9.8	118	99	394	17.7
Yakima	3,437	18.6	1,776	1,661	3,341	18.1
Yakima (city)	987	19.9	501	486	2507	50.5

Table7. Live Birth Intercounty Travel Pattern

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams	193		7								6		31				
Asotin		1															
Benton	1		1567	1							186		1				3
Chelan				764									1				16
Clallam					726									1	1		27
Clark			1		1	2102		8									4
Columbia							9	3									
Cowlitz						53		1036									2
Douglas				287					4				4				2
Ferry										32			1				
Franklin	26		344			1					354		2				3
Garfield							1										
Grant	67		11	87							1		685				3
Grays Harbor														550			21
Island															753		41
Jefferson					28									1		162	14
King			3	1	2	1		4					1	1	1		19364
Kitsap			1		1										1	2	217
Kittitas	1			7									3				10
Klickitat																	1
Lewis								25						1			6
Lincoln													11				
Mason																1	9
Okanogan				9						3			19				3
Pacific						1		6						31			3
Pend Oreille																	1
Pierce			1		1	3		2		1					1		608
San Juan																	6
Skagit															13		24
Skamania						15		1									
Snohomish			2		1										3	3	2217
Spokane						1								1			1
Stevens																	
Thurston				1				3						3			50
Wahkiakum								23									
Walla Walla			20								9						2
Whatcom						1								1	2		29
Whitman																	1
Yakima			180	1				1									10
Out of state	1		25	3	5	46		116			4		1	1	1		76

Washington State Residents and Occurrences, 1987

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
				1										35				1			1	1
														2						6		220
									2		1			12				2			40	8
						17							1	3				1				1
3									1							1						4
1									1													1165
														1				34				1
			8				1		5		1										1	70
						41								5								
														12	26							
														6				3			2	1
																		2				23
	7			7		3			2				1	46							12	2
			22		8		41		24					1	1	235						
									7		69		35						1		1	5
9									2													1
3			1			1			783		4		211	5		6			1		2	36
2300									264				8			1			1			8
	241								1											1	19	1
		130	1											1							6	75
1			717						32							52					2	4
				9										89								
93			1		237				30					1		104						2
						458								38								2
			12				76		3							17						75
								35						62	7							4
46			7		2	2			8892				5			26					2	35
									1	3	93		2						7			
1			1						1		984		16						18		1	1
		31										2									1	60
3	1			1		1			13		131		4407	2	1				5		1	6
								3	4				4	5322	2			1			1	27
														210	212							2
1			97		8	1			404							1591			1		1	12
			1																			5
									1					3				596		1		3
1	1					1			2		36								1507			6
													1	46				1		288		48
											1								2		3237	5
6	1	30	2			6	2	21	27		2		10	183	1	6		239	8	102	11	

Table 8

Live Births by Race by Place of Residence, Washington State 1987

County And City	Total	White	Black	Mexican/ Chicano	Indian	Japan-ese	Chinese	Filipino	Other Asian	Other	Unknown
State Totals	70,329	58,349	3,471	2,144	1,871	298	203	621	2,572	20	780
Adams	276	266	1	7	1				1		
Asotin	229	212	1	1	12	1	1		1		
Benton	1,824	1,642	24	91	20	8	1	3	34		1
Kennewick	799	719	14	36	9	2	1	3	15		
Richland	450	412	7	7	7	5			12		
Chelan	804	653	3	121	10		1	6	6	4	
Wenatchee	349	287	3	43	9		1	3	3		
Clallam	764	664	5	15	67	2	2	1	7		1
Port Angeles	286	264		2	16		1		2		1
Clark	3,283	2,986	87	22	43	8	7	10	74	1	45
Vancouver	1,402	1,2[illegible]0	55	15	31	2	3	5	48	1	22
Columbia	48	40		8							
Cowlitz	1,177	1,104	7	12	25	3	3	7	16		
Kelso	221	203	1	6	6	1	1	1	2		
Longview	485	451	5	3	8	1	2	4	11		
Douglas	343	264	2	70	3			1	2	1	
Ferry	71	42		1	26			1	1		
Franklin	742	570	36	108	8	1			17	1	1
Pasco	465	329	35	80	6	1			13	1	
Garfield	26	26									
Grant	934	869	8	34	10	1	1	1	8	1	1
Moses Lake	213	199	5	1	3	1	1		2		1
Grays Harbor	903	793	2	10	69	1	1	3	12		12
Aberdeen	239	218		6	11				3		1
Island	912	788	35	9	10	7	1	35	25		2
Oak Harbor	390	315	22	5	3	3	1	27	14		
Jefferson	217	199	1	3	10				4		
King	20,431	16,150	1,548	114	321	157	134	306	1,280	3	418
Auburn	525	464	11	3	12	3		9	13		10
Bellevue	903	726	43	6	7	13	10	6	74		18
Des Moines	106	94	2		2	1			5		2
Kent	527	444	13	4	16	2	2	6	30		10
Kirkland	316	273	5		4	1	2		16		15
Mercer Island	148	135	1			2	1	1	6		2
Redmond	443	386	9	4	3	4	2	2	12		21
Renton	646	532	36	7	13	2	7	9	27		13
Seattle	6,870	4,473	1,124	42	144	53	70	189	673	3	99
Kitsap	2,804	2,436	103	14	79	13	3	71	77		8
Bremerton	888	703	68	5	26	3	2	38	41		2
Kittitas	284	270	2	2	4			1	3	1	1
Ellensburg	130	123	2		2			1	2		
Klickitat	214	193	1	7	13						
Lewis	840	794	6	18	11	3			6		2
Centralia	225	207	1	7	5	1			4		
Lincoln	109	107		1	1						
Mason	478	415	7	3	36	1		2	10		4
Okanogan	532	358	2	59	107	1	1		2		2
Pacific	224	210		3	5		1		5		
Pend Oreille	109	99	1	1	6			1	1		
Pierce	9,634	7,394	1,249	62	234	48	7	78	534	1	27
Puyallup	351	326	5	1	7	2	1	2	7		
Tacoma	3,291	2,260	563	18	111	15	3	30	283		8
San Juan	112	105			1				4		2
Skagit	1,060	970	5	24	35	2		4	16		4
Anacortes	144	134		1	4				4		1
Mount Vernon	267	244	2	9	4	1		1	5		1
Skamania	110	106			4						
Snohomish	6,798	6,216	62	12	134	7	9	34	191	2	131
Edmonds	406	363	3	3	6	1		1	25		4
Everett	1,371	1,233	26	1	30	3		6	37		35
Lynnwood	539	493	8		3			7	22		6
Mountlake Terrace	291	260	2	1	2		1	3	21	1	
Spokane	5,367	4,929	146	26	129	10	10	19	84		5
Spokane (city)	2,943	2,641	95	17	104	10	7	11	54		4
Stevens	424	381	2	1	36	1		1	2		
Thurston	2,173	1,900	50	16	47	11	4	10	81	1	53
Lacey	214	180	7	2	4		1	2	12		6
Olympia	660	569	22	3	14	3	1	2	28		18
Wahkiakum	29	26		1	2						
Walla Walla	635	521	6	95	8		1	1	3		
Walla Walla (city)	412	343	5	53	7			1	3		
Whatcom	1,587	1,382	7	14	110		5	6	24	1	38
Bellingham	634	536	4	6	43		3	4	15		23
Whitman	385	337	10	2	3	1	8		23		1
Pullman	217	172	10	2	2	1	7		22		1
Yakima	3,437	1,932	52	1,157	231	2	2	19	18	3	21
Yakima (city)	987	640	44	248	34			3	6	1	11

Table 9

Live Births by Mother's Age Group by Place of Residence, Washington State 1987

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	70,329	105	2,477	4,741	19,324	22,924	14,942	5,055	671	29	61
Adams	276	3	15	32	94	74	44	12	2		
Asotin	229	1	8	20	82	71	34	10	3		
Benton	1,824	1	72	138	512	625	356	108	11	1	
Kennewick	799		29	66	252	271	131	47	2	1	
Richland	450		12	26	117	148	114	29	4		
Chelan	804	2	32	63	218	260	164	54	11		
Wenatchee	349	2	15	31	93	115	67	19	7		
Clallam	764	2	40	51	233	238	136	51	12	1	
Port Angeles	286		14	21	81	98	53	14	5		
Clark	3,283	3	126	273	973	1,048	634	207	18	1	
Vancouver	1,402		75	159	482	411	211	59	5		
Columbia	48			2	14	14	16	2			
Cowlitz	1,177		59	132	385	348	202	44	7		
Kelso	221		15	29	79	56	30	12			
Longview	485		31	55	163	149	75	9	3		
Douglas	343		21	21	105	116	58	19	2		1
Ferry	71		6	6	25	13	13	6	2		
Franklin	742	4	42	64	237	225	127	35	8		
Pasco	465	3	33	53	154	134	70	16	2		
Garfield	26				6	12	7	1			
Grant	934	2	45	79	305	290	137	64	9	3	
Moses Lake	213		13	18	65	69	40	7		1	
Grays Harbor	903		51	83	307	267	141	49	5		
Aberdeen	239		17	27	84	61	41	7	2		
Island	912		18	52	355	298	133	53	2	1	
Oak Harbor	390		7	25	165	133	45	15			
Jefferson	217	1	4	15	56	63	53	22	2		1
King	20,431	21	475	881	4,221	6,927	5,513	2,098	247	7	41
Auburn	525		18	48	173	185	70	26	4		1
Bellevue	903		15	25	154	323	257	111	12		6
Des Moines	106		5	3	23	45	23	5	1		1
Kent	527		13	29	196	189	71	25	4		
Kirkland	316		5	8	60	106	94	38	4		1
Mercer Island	148		2	1	12	28	71	34			
Redmond	443		4	15	81	174	119	44	5	1	
Renton	646		18	48	184	229	141	20	5		1
Seattle	6,870	15	206	322	1,264	2,003	2,004	934	111	1	10
Kitsap	2,804	3	81	188	866	911	566	164	23	1	1
Bremerton	888	3	29	87	367	248	123	30	1		
Kittitas	284		9	22	89	92	48	22	2		
Ellensburg	130		5	13	41	42	19	9	1		
Klickitat	214		15	23	67	63	30	15	1		
Lewis	840		41	61	287	260	141	44	5		1
Centralia	225		11	15	84	72	34	8	1		
Lincoln	109		3	4	30	36	29	5	2		
Mason	478	1	20	47	136	152	79	38	5		
Okanogan	532	1	32	47	165	159	97	24	7		
Pacific	224		6	20	76	60	38	18	6		
Pend Oreille	109		7	10	34	32	16	5	5		
Pierce	9,634	22	402	811	3,131	3,081	1,653	472	56	4	2
Puyallup	351		12	34	118	106	67	14			
Tacoma	3,291	9	175	295	1,063	1,022	518	185	21	2	1
San Juan	112			3	22	23	46	13	5		
Skagit	1,060	1	47	93	292	333	199	85	10		
Anacortes	144		4	13	43	39	32	11	2		
Mount Vernon	267	1	12	25	82	96	37	12	2		
Skamania	110		10	12	39	21	20	8			
Snohomish	6,798	6	204	414	1,748	2,389	1,496	473	63	1	4
Edmonds	406		8	15	72	138	109	55	8	1	
Everett	1,371	1	64	128	516	393	199	64	6		
Lynnwood	539		19	38	159	195	101	24	3		
Mountlake Terrace	291		10	14	72	102	73	20			
Spokane	5,367	7	190	396	1,615	1,773	1,042	293	44	2	5
Spokane (city)	2,943	4	126	238	887	952	551	160	21	1	3
Stevens	424		21	34	117	129	87	27	9		
Thurston	2,173	2	79	157	627	676	462	143	22	2	3
Lacey	214		6	18	72	57	43	14	3		1
Olympia	660	1	25	50	197	192	142	45	6	1	1
Wahkiakum	29		1	3	11	6	7	1			
Walla Walla	635	3	33	56	173	193	132	35	9	1	
Walla Walla (city)	412	2	27	34	113	124	80	24	7	1	
Whatcom	1,587	1	46	80	425	537	354	120	24		
Bellingham	634	1	24	35	171	201	131	61	10		
Whitman	385		4	10	102	146	87	29	7		
Pullman	217		2	8	55	82	47	20	3		
Yakima	3,437	18	212	338	1,144	963	545	186	25	4	2
Yakima(city)	987	2	63	109	328	275	144	57	8	1	

Table 10

Live Births by Month by Place of Residence, Washington State 1987

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Totals	70,329	5,366	5,231	6,022	6,163	6,225	6,138	6,300	6,125	5,967	5,763	5,346	5,683
Adams	276	19	22	24	19	32	25	29	27	21	22	23	13
Asotin	229	18	14	15	20	28	25	22	19	26	14	13	15
Benton	1,824	151	132	150	164	179	152	155	170	158	146	135	132
Kennewick	799	58	51	65	78	76	54	65	80	69	75	67	61
Richland	450	44	37	39	34	45	48	38	36	42	24	29	34
Chelan	804	49	64	60	70	71	73	75	65	69	76	69	63
Wenatchee	349	20	24	21	29	27	35	36	31	23	41	33	29
Clallam	764	52	61	62	80	83	69	72	67	56	54	49	59
Port Angeles	286	22	20	20	35	29	22	31	20	23	25	19	20
Clark	3,283	249	249	258	285	275	297	317	290	282	248	259	274
Vancouver	1,402	96	100	110	116	108	129	157	117	124	107	126	112
Columbia	48	3	3	2	6	7	6	5	3	5	4	2	2
Cowlitz	1,177	100	92	109	108	99	97	109	106	80	92	99	86
Kelso	221	19	18	21	19	13	19	19	17	14	19	25	18
Longview	485	45	39	48	47	39	41	45	54	28	29	37	33
Douglas	343	27	27	20	33	31	35	25	29	29	29	27	31
Ferry	71	5	4	4	7	7	7	7	6	4	4	8	8
Franklin	742	53	45	51	75	68	68	61	67	64	76	56	58
Pasco	465	35	26	35	50	38	41	38	49	38	45	36	34
Garfield	26		3	3	4	4		3	1	3	2	1	2
Grant	934	65	65	79	71	90	80	97	78	86	80	75	68
Moses Lake	213	22	15	15	23	19	15	22	24	15	13	20	10
Grays Harbor	903	71	71	93	82	72	83	82	80	67	51	68	83
Aberdeen	239	21	18	22	22	24	25	22	18	16	15	11	25
Island	912	74	51	84	102	80	84	58	79	70	68	76	86
Oak Harbor	390	32	18	35	40	41	43	24	25	35	31	30	36
Jefferson	217	16	14	18	22	20	21	20	18	22	25	9	12
King	20,431	1,550	1,522	1,791	1,769	1,787	1,810	1,800	1,803	1,690	1,678	1,540	1,691
Auburn	525	35	40	47	53	44	52	41	35	52	40	45	41
Bellevue	903	59	65	90	76	97	60	62	95	83	84	63	69
Des Moines	106	3	9	7	10	9	7	7	18	9	7	7	13
Kent	527	37	47	58	40	44	53	52	39	51	39	20	47
Kirkland	316	19	21	31	23	34	28	36	28	20	29	24	23
Mercer Island	148	13	13	7	18	11	16	12	15	9	8	11	15
Redmond	443	38	34	46	38	39	37	38	41	38	36	29	29
Renton	646	46	55	53	67	55	59	49	55	52	54	51	50
Seattle	6,870	546	544	599	573	577	603	613	585	591	534	528	577
Kitsap	2,804	219	186	229	229	246	244	280	238	285	218	223	207
Bremerton	888	69	53	65	66	67	76	87	82	108	77	80	58
Kittitas	284	27	19	20	20	23	25	29	27	20	31	20	23
Ellensburg	130	14	11	11	5	14	13	9	15	7	10	10	11
Klickitat	214	15	21	20	21	16	15	24	19	18	9	18	18
Lewis	840	54	59	69	75	74	69	82	69	78	63	70	78
Centralia	225	17	22	23	18	14	15	19	16	21	19	22	19
Lincoln	109	9	10	12	9	9	6	8	11	10	11	7	7
Mason	478	35	33	41	42	44	42	39	34	39	39	48	42
Okanogan	532	36	36	54	43	45	50	36	45	55	55	36	41
Pacific	224	20	20	13	26	20	18	20	12	19	22	16	18
Pend Oreille	109	7	5	11	6	9	12	11	9	5	11	12	11
Pierce	9,634	744	726	857	813	856	798	844	810	788	803	765	830
Puyallup	351	32	26	27	34	27	37	37	27	28	24	25	27
Tacoma	3,291	235	252	304	278	291	285	299	270	248	281	255	293
San Juan	112	10	10	11	10	5	10	11	9	10	8	9	9
Skagit	1,060	68	73	89	82	84	109	103	98	87	80	89	98
Anacortes	144	13	15	7	9	9	17	15	12	8	10	14	15
Mount Vernon	267	14	11	22	24	23	32	26	29	28	15	22	21
Skamania	110	7	3	9	9	7	18	12	16	10	8	5	6
Snohomish	6,798	503	512	553	587	620	563	625	592	647	594	473	529
Edmonds	406	33	27	37	32	39	45	26	36	37	33	35	26
Everett	1,371	91	103	120	128	125	105	118	123	120	139	97	102
Lynnwood	539	38	49	34	52	50	38	48	51	61	40	33	45
Mountlake Terrace	291	15	22	26	27	15	27	24	36	30	27	15	27
Spokane	5,367	433	412	454	504	459	472	490	481	400	445	380	437
Spokane (city)	2,943	236	227	246	275	231	268	271	270	211	244	217	247
Stevens	424	31	41	31	49	38	38	43	35	28	38	28	24
Thurston	2,173	166	160	207	200	191	185	173	200	197	173	160	161
Lacey	214	21	12	18	10	18	17	17	21	21	18	22	19
Olympia	660	51	50	56	76	59	56	43	62	52	59	54	42
Wahkiakum	29	2	3	4	1	2	2	4	4	1	4		2
Walla Walla	635	55	40	53	65	59	51	75	52	54	41	33	57
Walla Walla (city)	412	40	23	27	44	37	40	45	35	34	22	25	40
Whatcom	1,587	125	119	132	134	149	144	135	124	144	126	127	128
Bellingham	634	52	41	39	47	65	57	58	62	64	53	46	50
Whitman	385	32	38	34	32	34	29	30	33	36	31	34	22
Pullman	217	16	19	18	21	18	15	17	20	17	19	25	12
Yakima	3,437	266	266	296	289	302	306	289	299	304	284	284	252
Yakima (city)	987	74	74	80	82	77	92	79	93	97	77	87	75

Table 11

Live Births by Birth Weight in Grams by Place of Residence, Washington State 1987

County and City	Total	1000 or Less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 And Over	Not Stated
State Totals	70,329	258	326	716	2,454	8,911	24,250	23,000	8,257	1,888	269
Adams	276			4	10	44	102	80	33	3	
Asotin	229	3		3	6	34	73	68	28	13	1
Benton	1,824	1	1	19	62	256	617	603	227	38	
Kennewick	799	1	1	11	33	127	261	248	99	18	
Richland	450			1	9	55	157	168	48	12	
Chelan	804	3	9	2	26	91	289	273	89	21	1
Wenatchee	349	2	3	1	16	35	130	110	43	9	
Clallam	764	3	2	8	31	87	245	262	93	30	3
Port Angeles	286	1	1	3	15	38	96	90	33	7	2
Clark	3,283	14	9	35	108	365	1,149	1,101	403	92	7
Vancouver	1,402	4	6	16	52	162	519	451	149	42	1
Columbia	48					7	11	24	6		
Cowlitz	1,177	3	4	7	48	140	389	394	159	32	1
Kelso	221	1		1	11	24	77	74	26	7	
Longview	485	2		3	18	61	167	150	67	16	1
Douglas	343	1		1	11	42	118	123	40	7	
Ferry	71	1	1		1	7	30	20	8	2	1
Franklin	742	1	5	9	28	110	246	236	89	18	
Pasco	465	1	4	8	21	70	157	146	45	13	
Garfield	26					4	9	7	5	1	
Grant	934	2	5	13	26	112	333	313	109	20	1
Moses Lake	213			6	5	29	76	59	31	6	1
Grays Harbor	903	6	5	9	47	101	300	279	104	28	24
Aberdeen	239		1	2	10	32	79	78	26	5	6
Island	912	1	3	8	22	117	313	315	98	35	
Oak Harbor	390			3	11	58	126	136	44	12	
Jefferson	217	2		2	10	16	75	73	33	6	
King	20,431	83	101	202	713	2,610	7,205	6,664	2,325	506	22
Auburn	525	1	2	6	18	67	176	177	61	15	2
Bellevue	903	3	4	12	24	99	299	333	98	31	
Des Moines	106		2	1	5	19	36	24	12	7	
Kent	527		5	4	20	60	195	165	57	19	2
Kirkland	316	2	2	2	12	29	104	112	40	13	
Mercer Island	148		1		3	18	43	64	16	3	
Redmond	443	2	3	6	14	44	142	149	71	11	1
Renton	646	2	2	6	23	70	253	195	79	15	1
Seattle	6,870	35	46	93	304	1,040	2,476	2,058	687	122	9
Kitsap	2,804	7	14	27	84	317	985	894	378	93	5
Bremerton	888	3	8	11	33	110	323	265	106	26	3
Kittitas	284	1		1	16	36	90	96	33	11	
Ellensburg	130			1	8	15	43	41	17	5	
Klickitat	214	2		2	7	31	61	76	31	4	
Lewis	840	3	2	9	36	106	289	268	101	19	7
Centralia	225			3	11	30	85	66	25	3	2
Lincoln	109			2	1	12	33	40	18	3	
Mason	478	1	1	4	21	51	152	173	51	16	8
Okanogan	532	2	2	5	26	60	186	178	57	16	
Pacific	224		3	2	7	32	76	79	18	4	3
Pend Oreille	109				5	17	37	31	14	5	
Pierce	9,634	41	66	129	399	1,380	3,365	2,980	1,047	211	16
Puyallup	351	3	3	8	11	40	109	131	40	5	1
Tacoma	3,291	18	25	53	170	508	1,168	953	322	68	6
San Juan	112	1			2	14	36	42	16	1	
Skagit	1,060	4	1	8	38	128	350	347	149	34	1
Anacortes	144			1	4	19	43	44	26	7	
Mount Vernon	267	3		3	8	40	87	88	30	8	
Skamania	110	2	1	2	3	16	33	35	12	6	
Snohomish	6,798	26	21	63	210	776	2,242	2,390	855	212	3
Edmonds	406	1	2	7	18	34	136	141	58	9	
Everett	1,371	5	4	8	35	190	493	434	164	38	
Lynnwood	539	2	1	4	22	61	198	172	63	16	
Mountlake Terrace	291	3	1	2	10	43	101	94	28	9	
Spokane	5,367	24	31	59	198	755	1,820	1,751	579	143	7
Spokane (city)	2,943	15	20	30	116	433	995	962	298	69	5
Stevens	424	2	2	6	15	50	142	139	57	11	
Thurston	2,173	3	9	24	61	228	681	686	271	61	149
Lacey	214	2		5	5	24	65	74	22	4	13
Olympia	660		5	6	22	76	198	194	88	20	51
Wahkiakum	29					2	6	14	4	3	
Walla Walla	635	1	2	4	17	86	215	211	79	19	1
Walla Walla (city)	412	1	2	2	9	54	138	136	52	17	1
Whatcom	1,587	2	5	17	38	161	555	535	224	48	2
Bellingham	634	2	3	5	18	73	201	230	85	15	2
Whitman	385		2	2	14	49	139	124	44	11	
Pullman	217			1	8	26	79	76	23	4	
Yakima	3,437	12	19	28	107	461	1,253	1,076	370	105	6
Yakima (city)	987	2	5	13	34	143	350	292	113	33	2

Table 12

Residence, Multiple Births by Number Born Alive Each Set, Washington State 1987

	Sets of Twins			Sets of Triplets				Sets of Four or More
County and City	2 Born Alive	1 Born Alive	None Alive	3 Born Alive	2 Born Alive	1 Born Alive	None Alive	Total
State Totals	715	22	13	1				
Adams		3						
Asotin			1					
Benton		18						
Kennewick	8							
Richland	7							
Chelan	4							
Wenatchee	1							
Clallam	10			1				
Port Angeles	7							
Clark	33	1						
Vancouver	14							
Columbia								
Cowlitz	11		1					
Kelso	4							
Longview	2							
Douglas	3		1					
Ferry		1						
Franklin	5	1						
Pasco	3							
Garfield								
Grant	12							
Moses Lake	1							
Grays Harbor	9	2						
Aberdeen		1						
Island	7							
Oak Harbor	1							
Jefferson	4							
King	211	6	7					
Auburn	2							
Bellevue	9	1						
Des Moines	1							
Kent	4							
Kirkland	5							
Mercer Island	1							
Redmond	7							
Renton	4	1						
Seattle	80	2	4					
Kitsap	25							
Bremerton	8							
Kittitas	3							
Ellensburg	2							
Klickitat	1		1					
Lewis	10	1						
Centralia	3							
Lincoln	1							
Mason	5							
Okanogan	3							
Pacific	3							
Pend Oreille								
Pierce	108	4						
Puyallup	6							
Tacoma	36	3						
San Juan								
Skagit	11							
Anacortes	2							
Mount Vernon	3							
Skamania	4							
Snohomish	69	1	1					
Edmonds	5							
Everett	16							
Lynnwood	2							
Mountlake Terrace	2		1					
Spokane	59	3	1					
Spokane (city)	36	3						
Stevens	8							
Thurston	22	1						
Lacey	3							
Olympia	4							
Wahkiakum								
Walla Walla	5							
Walla Walla (city)	3							
Whatcom	10							
Bellingham	5							
Whitman	8							
Pullman	3							
Yakima	30		1					
Yakima (city)	4							

Table 13

Live Births with Malformations with Percent of Total Births by Place of Residence, Washington State 1987

County and City	Total Births	Births with Malformations	Percent of Total Births[1]	Total Malformations[2]
State Total	70,329	1,256	1.8	1,407
Adams	276	2	.7	5
Asotin	229	8	3.5	9
Benton	1,824	33	1.8	36
Kennewick	799	13	1.6	16
Richland	450	10	2.2	10
Chelan	804	12	1.5	13
Wenatchee	349	3	.9	3
Clallam	764	21	2.8	24
Port Angeles	286	6	2.1	7
Clark	3,283	6	.2	6
Vancouver	1,402	4	.3	4
Columbia	48			
Cowlitz	1,177	16	1.4	21
Kelso	221	6	2.7	8
Longview	485	7	1.4	8
Douglas	343	4	1.2	4
Ferry	71			
Franklin	742	10	1.4	12
Pasco	465	6	1.3	8
Garfield	26			
Grant	934	12	1.3	13
Moses Lake	213	1	.5	1
Grays Harbor	903	18	2.0	20
Aberdeen	239	7	2.9	9
Island	912	27	3.0	28
Oak Harbor	390	13	3.3	14
Jefferson	217	3	1.4	3
King	20,431	392	1.9	431
Auburn	525	12	2.3	12
Bellevue	903	21	2.3	28
Des Moines	106	6	5.7	7
Kent	527	11	2.1	11
Kirkland	316	3	1.0	3
Mercer Island	148	2	1.4	2
Redmond	443	8	1.8	8
Renton	646	13	2.0	16
Seattle	6,870	149	2.2	163
Kitsap	2,804	63	2.3	69
Bremerton	888	24	2.7	25
Kittitas	284	4	1.4	5
Ellensburg	130	2	1.5	3
Klickitat	214	3	1.4	3
Lewis	840	15	1.8	18
Centralia	225	1	.4	1
Lincoln	109			
Mason	478	7	1.5	7
Okanogan	532	18	3.4	20
Pacific	224	3	1.3	3
Pend Oreille	109	2	1.8	2
Pierce	9,634	234	2.4	258
Puyallup	351	4	1.1	4
Tacoma	3,291	62	1.9	71
San Juan	112	2	1.8	2
Skagit	1,060	24	2.3	29
Anacortes	144	2	1.4	2
Mount Vernon	267	6	2.3	10
Skamania	110	1	.9	1
Snohomish	6,798	136	2.0	153
Edmonds	406	8	2.0	8
Everett	1,371	36	2.6	39
Lynnwood	539	12	2.2	12
Mountlake Terrace	291	10	3.4	11
Spokane	5,367	67	1.3	81
Spokane (city)	2,943	28	1.0	31
Stevens	424	4	.9	5
Thurston	2,173	44	2.0	49
Lacey	214	5	2.3	6
Olympia	660	18	2.7	20
Wahkiakum	29			
Walla Walla	635	14	2.2	17
Walla Walla (city)	412	9	2.2	10
Whatcom	1,587	22	1.4	27
Bellingham	634	12	1.9	12
Whitman	385	7	1.8	8
Pullman	217	3	1.4	4
Yakima	3,437	22	.6	25
Yakima (city)	987	2	.2	3

[1] Total may not add up to 100% due to rounding.
[2] Individual births may have more than one malformation.

Table 14

Live Births with Maternal Smoking by Mother's Place of Residence, Washington State 1987

County and City	Total Births	Births with Maternal Smoking		Births with No Maternal Smoking		Births with Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	70,329	16,617	23.6	49,693	70.6	4,019	5.7
Adams	276	38	13.7	229	82.9	9	3.2
Asotin	229	5	2.1	4	1.7	220	96.0
Benton	575	126	21.9	423	73.5	26	4.5
Kennewick	799	215	26.9	559	69.9	25	3.1
Richland	450	79	17.5	346	76.8	25	5.5
Chelan	455	62	13.6	389	85.5	4	.8
Wenatchee	349	46	13.1	301	86.2	2	.5
Clallam	478	138	28.8	322	67.3	18	3.7
Port Angeles	286	83	29.0	193	67.4	10	3.4
Clark	1,881	360	19.1	785	41.7	736	39.1
Vancouver	1,402	378	26.9	454	32.3	570	40.6
Columbia	48	12	25.0	35	72.9	1	2.0
Cowlitz	471	125	26.5	305	64.7	41	8.7
Kelso	221	80	36.1	132	59.7	9	4.0
Longview	485	151	31.1	306	63.0	28	5.7
Douglas	343	38	11.0	300	87.4	5	1.4
Ferry	71	21	29.5	47	66.1	3	4.2
Franklin	277	36	12.9	232	83.7	9	3.2
Pasco	465	105	22.5	332	71.3	28	6.0
Garfield	26			3	11.5	23	88.4
Grant	721	177	24.5	537	74.4	7	.9
Moses Lake	213	55	25.8	157	73.7	1	.4
Grays Harbor	664	220	33.1	405	60.9	39	5.8
Aberdeen	239	105	43.9	130	54.3	4	1.6
Island	522	124	23.7	384	73.5	14	2.6
Oak Harbor	390	107	27.4	277	71.0	6	1.5
Jefferson	217	67	30.8	146	67.2	4	1.8
King	9,947	1,934	19.4	7,632	76.7	381	3.8
Auburn	525	163	31.0	330	62.8	32	6.0
Bellevue	903	102	11.2	777	86.0	24	2.6
Des Moines	106	31	29.2	72	67.9	3	2.8
Kent	527	144	27.3	353	66.9	30	5.6
Kirkland	316	38	12.0	270	85.4	8	2.5
Mercer Island	148	14	9.4	131	88.5	3	2.0
Redmond	443	53	11.9	377	85.1	13	2.9
Renton	646	141	21.8	472	73.0	33	5.1
Seattle	6,870	1,234	17.9	5,158	75.0	478	6.9
Kitsap	1,916	438	22.8	1,454	75.8	24	1.2
Bremerton	888	255	28.7	622	70.0	11	1.2
Kittitas	154	35	22.7	116	75.3	3	1.9
Ellensburg	130	21	16.1	105	80.7	4	3.0
Klickitat	214	59	27.5	79	36.9	76	35.5
Lewis	615	156	25.3	444	72.1	15	2.4
Centralia	225	82	36.4	139	61.7	4	1.7
Lincoln	109	11	10.0	95	87.1	3	2.7
Mason	478	176	36.8	295	61.7	7	1.4
Okanogan	532	122	22.9	363	68.2	47	8.8
Pacific	224	38	16.9	70	31.2	116	51.7
Pend Oreille	109	31	28.4	71	65.1	7	6.4
Pierce	5,992	1,590	26.5	4,323	72.1	79	1.3
Puyallup	351	79	22.5	264	75.2	8	2.2
Tacoma	3,291	963	29.2	2,249	68.3	79	2.4
San Juan	112	18	16.0	92	82.1	2	1.7
Skagit	649	166	25.5	479	73.8	4	.6
Anacortes	144	41	28.4	100	69.4	3	2.0
Mount Vernon	267	59	22.0	205	76.7	3	1.1
Skamania	110	20	18.1	28	25.4	62	56.3
Snohomish	4,191	1,016	24.2	3,096	73.8	79	1.8
Edmonds	406	79	19.4	321	79.0	6	1.4
Everett	1,371	491	35.8	860	62.7	20	1.4
Lynnwood	539	132	24.4	392	72.7	15	2.7
Mountlake Terrace	291	74	25.4	205	70.4	12	4.1
Spokane	2,424	594	24.5	1,766	72.8	64	2.6
Spokane (city)	2,943	968	32.8	1,941	65.9	34	1.1
Stevens	424	119	28.0	288	67.9	17	4.0
Thurston	1,299	321	24.7	937	72.1	41	3.1
Lacey	214	57	26.6	144	67.2	13	6.0
Olympia	660	191	28.9	444	67.2	25	3.7
Wahkiakum	29	6	20.6	18	62.0	5	17.2
Walla Walla	223	38	17.0	184	82.5	1	.4
Walla Walla (city)	412	96	23.3	308	74.7	8	1.9
Whatcom	953	231	24.2	686	71.9	36	3.7
Bellingham	634	181	28.5	417	65.7	36	5.6
Whitman	168	24	14.2	125	74.4	19	11.3
Pullman	217	15	6.9	172	79.2	30	13.8
Yakima	2,450	496	20.2	1,872	76.4	82	3.3
Yakima (city)	987	321	32.5	619	62.7	47	4.7

Table 15

Live Births to Single Mothers by Place of Residence by Age of Mother Washington State, 1987

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	14,597	98	1,989	2,581	5,186	2,824	1,330	502	70	3	14
Adams	49	3	9	11	21	2	3				
Asotin	70	1	6	12	33	15	2	1			
Benton	345	1	55	67	117	73	22	10			
Kennewick	173	22	31	76	32	8	4				
Richland	63	12	13	18	11	7	2				
Chelan	149	2	20	32	52	28	10	4	1		
Wenatchee	78	2	10	14	25	17	7	2	1		
Clallam	159	1	26	18	55	36	15	8			
Port Angeles	57	8	8	17	16	6	2				
Clark	698	3	103	154	225	137	58	16	2		
Vancouver	408	65	96	131	78	32	6				
Columbia	6			5		1					
Cowlitz	308	51	71	94	51	36	5				
Kelso	75	12	16	25	15	6	1				
Longview	155	28	35	44	27	19	2				
Douglas	64		17	11	19	10	7				
Ferry	29		5	5	9	4	5	1			
Franklin	215	3	35	39	74	37	20	6	1		
Pasco	182	3	27	34	63	32	17	5	1		
Garfield	2				1			1			
Grant	184	2	32	37	68	25	10	7	3		
Moses Lake	46	9	8	21	6	2					
Grays Harbor	283	44	57	104	54	17	7				
Aberdeen	93	13	17	39	17	5	2				
Island	65	11	9	27	10	7	1				
Oak Harbor	22	5	2	8	5	2					
Jefferson	52	1	3	10	20	5	8	5			
King	3,790	20	414	564	1,313	865	399	178	25	1	11
Auburn	121		13	28	35	31	7	6	1		
Bellevue	94		12	13	34	20	9	5	1		
Des Moines	29		3	2	13	8	3				
Kent	118		7	13	57	29	7	5			
Kirkland	41		4	6	15	7	5	2	1	1	
Mercer Island	9		2	1	2		4				
Redmond	30		2	9	13	5	1				
Renton	127		13	30	46	23	11	3		1	
Seattle	1,746	14	189	233	593	389	219	94	12	3	
Kitsap	441	3	66	81	163	73	38	16	1		
Bremerton	189	3	24	38	71	34	15	4			
Kittitas	55	8	12	17	10	5	3				
Ellensburg	28	4	6	9	3	3	3				
Klickitat	60	12	16	15	11	4	2				
Lewis	209	34	32	78	37	17	10	1			
Centralia	63	10	7	24	15	3	4				
Lincoln	10		2	2	4	1	1				
Mason	133	1	18	28	41	32	8	2	3		
Okanogan	166	1	23	25	67	30	16	3	1		
Pacific	64		5	10	25	11	8	3	2		
Pend Oreille	24		6	1	8	5	4				
Pierce	2,199	21	318	405	799	411	183	52	9	1	
Puyallup	68		9	19	23	11	5	1			
Tacoma	1,076	8	154	188	399	201	94	29	3		
San Juan	15			2	6		5	2			
Skagit	247	1	37	55	75	44	24	11			
Anacortes	36		4	9	12	4	4	3			
Mount Vernon	63	1	10	11	25	11	4	1			
Skamania	37		8	7	16	5		1			
Snohomish	1,240	5	168	237	440	228	114	43	4	1	
Edmonds	49		8	8	20	9	2	2			
Everett	419	1	53	79	167	68	39	11	1		
Lynnwood	101		14	24	36	21	6				
Mountlake Terrace	46		9	6	14	6	7	4			
Spokane	1,167	6	157	215	440	201	105	38	3	1	1
Spokane (city)	776	3	106	144	289	132	70	29	2	1	
Stevens	88		12	9	32	22	9	2	2		
Thurston	428	2	67	74	147	85	38	12	2	1	
Lacey	43		6	12	11	8	3	2	1		
Olympia	168	1	19	26	68	34	15	4		1	
Wahkiakum	6		1	1	2		2				
Walla Walla	141	3	21	31	47	23	10	5	1		
Walla Walla (city)	103	2	16	19	34	21	7	3	1		
Whatcom	296	1	36	41	116	65	24	11	2		
Bellingham	152	1	21	23	58	28	14	7			
Whitman	30	2	7	11	4	5	1				
Pullman	12	5	5	1	1						
Yakima	1,073	17	157	193	400	174	90	35	7		
Yakima (city)	356	1	49	67	134	60	29	13	3		

Table 16

Live Births by Institutions by Place of Occurrence, Washington State 1987

County and City	Total	General Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Totals	69,346	63,628	239	4,085	1,125	68	201
Adams	289	288				1	
Asotin	1				1		
Benton	2,162	2,144			14	4	
Kennewick	808	798			10		
Richland	1,044	1,038			3	3	
Chelan	1,161	1,138			22		1
Wenatchee	1,082	1,076			6		
Clallam	765	742			22		1
Port Angeles	672	662			10		
Clark	2,224	2,172			52		
Vancouver	2,208	2,172			36		
Columbia	10	10					
Cowlitz	1,228	1,214			12	2	
Kelso	5				5		
Longview	1,219	1,214			3	2	
Douglas	4				4		
Ferry	36	35			1		
Franklin	560	555			3	1	1
Pasco	559	555			3	1	
Garfield							
Grant	760	754			4	2	
Moses Lake	596	593			2	1	
Grays Harbor	591	578			13		
Aberdeen	579	577			2		
Island	776	364		397	14		1
Oak Harbor	3				3		
Jefferson	168	154			14		
King	22,774	22,381	11		332	16	34
Auburn	555	548			7		
Bellevue	2,280	2,260			20		
Des Moines	2				2		
Kent	30				30		
Kirkland	1.734	1,724			9		1
Mercer Island	2				2		
Redmond	1,431	1,416			14	1	
Renton	2,597	2,578			17	2	
Seattle	13.349	13,116	11		180	13	29
Kitsap	2,468	1,732		663	59	7	7
Bremerton	1,753	1,732			16	4	1
Kittitas	251	250					1
Ellensburg	250	250					
Klickitat	191	189			2		
Lewis	871	812			58		1
Centralia	392	385			7		
Lincoln	17	14			3		
Mason	255	247			8		
Okanogan	531	502			29		
Pacific	120	116			3	1	
Pend Oreille	59	57			2		
Pierce	10,502	7,550	90	2,644	84	12	122
Puyallup	1,301	1,287			13	1	
Tacoma	6,402	6,260	90		38	10	4
San Juan	3				1		2
Skagit	1,322	1,160	138		21	2	1
Anacortes	165	159			5		1
Mount Vernon	825	684	138		2	1	
Skamania	2				2		
Snohomish	4,701	4,516			170	5	10
Edmonds	1,462	1,448			13	1	
Everett	2,728	2,689			36	3	
Lynnwood	12				12		
Mountlake Terrace	5				5		
Spokane	6,085	5,637		381	58	5	4
Spokane (city)	5,669	5,618			45	4	2
Stevens	250	242			8		
Thurston	2,039	1,977			54	2	6
Lacey	7				7		
Olympia	2,020	1,977			36	2	5
Wahkiakum							
Walla Walla	880	876			4		
Walla Walla (city)	879	876			3		
Whatcom	1,551	1,503			42	2	4
Bellingham	1,531	1,503			25	2	1
Whitman	398	394					4
Pullman	394	394					
Yakima	3,341	3,325			9	6	1
Yakima (city)	2,507	2,500			3	4	

MORTALITY

Table 1
Deaths in Washington State by Selected Topics, 1987

A. Residence, Sex and Race

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
White	33,255	17,190	16,064	1
Black	748	466	282	
Mexican/Chicano	99	77	22	
American Indian	344	176	168	
Japanese	115	52	62	1
Chinese	68	36	32	
Filipino	128	100	28	
Other Asian	198	101	97	
Other	3	3		
Unknown	9	7	2	

B. Residence, Infant Deaths by Race

Total	681
White	563
Black	54
Mexican/Chicano	7
American Indian	24
Japanese	
Chinese	3
Filipino	2
Other Asian	27
Other	
Unknown	1

C. Residence, Age Group by Sex

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
Under 1	681	404	277	
1-4	136	75	61	
5-14	179	116	63	
15-19	294	198	96	
20-24	381	300	81	
25-34	951	677	274	
35-44	1,173	810	363	
45-54	1,691	1,066	625	
55-64	4,108	2,472	1,636	
65-74	7,994	4,671	3,323	
75-84	9,617	4,868	4,747	2
85-94	6,451	2,249	4,202	
95 and Over	1,302	295	1,007	
Unknown	9	7	2	

D. Residence, Marital Status by Sex

	Total	Male	Female	Unknown
Total	34,967	18,208	16,757	2
Single	3,716	2,486	1,230	
Married	15,472	10,667	4,803	2
Divorced	3,554	2,035	1,519	
Widowed	12,061	2,912	9,149	
Unknown	164	108	56	

[1] Detail may not add to 100% due to rounding.

Table 1 (continued)
Deaths in Washington State by Selected Topics, 1987

E. Residence, Leading Cause

Rank	Cause of Death	International List Number	Number	Percent[1]
	All Causes		34,967	100.0%
1	Heart Disease	391-392.0, 393-398, 402, 404, 410-417, 420-429	11,397	32.6
2	Malignant Neoplasm	140-208, 230-234	8,208	23.5
3	Cerebrovascular Disease	430-438	2,653	7.6
4	Chronic Obstructive Pulmonary Diseases	490-496	1,737	5.0
5	All Accidents	800-949	1,688	4.8
6	Influenza and Pneumonia	480-487	1,110	3.2
7	Suicide	E950-E959	707	2.0
8	Diabetes Mellitus	250	646	1.8
9	Arteriosclerosis	440	445	1.3
10	Diseases of the Arteries, Except Arteriosclerotic	441-440, 446-448	438	1.3

F. Residence and Occurrence, by Month

	Residence	Occurrence
Total	34,967	35,190
January	3,131	3,129
February	2,683	2,693
March	3,095	3,121
April	2,898	2,902
May	2,883	2,897
June	2,913	2,927
July	2,785	2,828
August	2,802	2,832
September	2,745	2,789
October	2,938	2,977
November	2,945	2,932
December	3,149	3,163

G. Occurrence, Type of Place

Total	35,190
General Hospital	15,539
Nursing Home	9,060
Home	7,904
Federal Facility	955
Psychiatric Hospital	32
State Facility	1
Dead On Arrival	40
Other and Unknown	1,659

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[1] Detail may not add to 100% due to rounding.

Table 2

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1987

	International List Number		Total			Male			Female	
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
All Ages										
All Causes		34,967*	780.3	100.0	18,208	816.1	100.0	16,757	744.7	100.0
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	11,397	254.3	32.6	5,961	267.2	32.7	5,435	241.5	32.4
Malignant Neoplasms	140-208, 230-234	8,208	183.2	23.5	4,343	194.7	23.9	3,865	171.8	23.1
Cerebrovascular Disease	430-438	2,653	59.2	7.6	978	43.8	5.4	1,675	74.4	10.0
Chronic Obstructive Pulmonary Diseases	490-496	1,737	38.8	5.0	976	43.7	5.4	761	33.8	4.5
All Accidents	E800-949	1,688	37.7	4.8	1,168	52.4	6.4	520	23.1	3.1
Influenza and Pneumonia	480-487	1,110	24.8	3.2	495	22.2	2.7	615	27.3	3.7
Suicide	E950-959	707	15.8	2.0	564	25.3	3.1	143	6.4	.9
Diabetes Mellitus	250	646	14.4	1.8	281	12.6	1.5	365	16.2	2.2
Arteriosclerosis	440	445	9.9	1.3	175	7.8	1.0	270	12.0	1.6
Diseases of the Arteries, except Arteriosclerotic	441-444, 446-448	438	9.8	1.3	277	12.4	1.5	161	7.2	1.0
All Other Causes		5,938	132.5	17.0	2,990	134.0	16.4	2,947	131.0	17.6
Under 1										
All Causes		681	969.7	100.0	404	1126.8	100.0	277	805.9	100.0
Sudden Infant Death Syndrome	7980	182	259.2	26.7	115	320.8	28.5	67	194.9	24.2
Certain Causes Mortality in Early Infancy	760-762, 764-766, 770-779	163	232.1	23.9	97	270.5	24.0	66	192.0	23.8
Congenital Anomalies	740-759	153	217.9	22.5	80	223.1	19.8	73	212.4	26.4
Birth Injury, etc.	763,767-769	94	133.9	13.8	62	172.9	15.3	32	93.1	11.6
All Accidents	E800-949	15	21.4	2.2	10	27.9	2.5	5	14.5	1.8
All Other Causes		74	105.4	10.9	40	111.6	9.9	34	98.9	12.3
1 - 4										
All Causes		136	49.6	100.0	75	53.4	100.0	61	45.7	100.0
All Accidents	E800-949	53	19.3	39.0	32	22.8	42.7	21	15.7	34.4
Congenital Anomalies	740-759	24	8.8	17n6	10	7.1	13.3	14	10.5	23.0
Malignant Neoplasms	140-208,230-234	15	5.5	11.0	7	5.0	9.3	8	6.0	13.1
Homicide	E960-969	6	2.2	4.4	2	1.4	2.7	4	3.0	6.6
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	5	1.8	3.7	3	2.1	4.0	2	1.5	3.3
All Other Causes		33	12.0	24.3	21	14.9	28.0	12	9.0	19.7
5 - 14										
All Causes		179	28.9	100.0	116	36.7	100.0	63	20.8	100.0
All Accidents	E800-949	85	13.7	47.5	60	19.0	51.7	25	8.3	39.7
Malignant Neoplasms	140-208,230-234	18	2.9	10.1	13	4.1	11.2	5	1.7	7.9
Congenital Anomalies	740-759	15	2.4	8.4	8	2.5	6.9	7	2.3	11.1
Suicide	E950-959	8	1.3	4.5	6	1.9	5.2	2	.7	3.2
Homicide	E960-969	8	1.3	4.5	1	.3	.9	7	2.3	11.1
All Other Causes		45	7.3	25.1	28	8.8	24.1	17	5.6	27.0
15 - 19										
All Causes		294	89.3	100.0	198	117.2	100.0	96	59.9	100.0
All Accidents	E800-949	163	49.5	55.4	123	72.8	62.1	40	25.0	41.7
Suicide	E950-959	45	13.7	15.3	35	20.7	17.7	10	6.2	10.4
Homicide	E960-969	21	6.4	7.1	7	4.1	3.5	14	8.7	14.6
Malignant Neoplasms	140-208,230-234	18	5.5	6.1	8	4.7	4.0	10	6.2	10.4
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	6	1.8	2.0	6	3.6	3.0			
All Other Causes		41	12.5	13.9	19	11.2	9.6	22	13.7	22.9
20 - 24										
All Causes		381	110.8	100.0	300	170.0	100.0	81	48.4	100.0
All Accidents	E800-949	177	51.5	46.5	144	81.6	48.0	33	19.7	40.7
Suicide	E950-959	77	22.4	20.2	65	36.8	21.7	12	7.2	14.8
Homicide	E960-969	45	13.1	11.8	31	17.6	10.3	14	8.4	17.3
Malignant Neoplasms	140-208,230-234	13	3.8	3.4	10	5.7	3.3	3	1.8	3.7
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	12	3.5	3.1	9	5.1	3.0	3	1.8	3.7
All Other Causes		57	16.6	15.0	41	23.2	13.7	16	9.6	19.8
25 - 34										
All Causes		951	118.7	100.0	677	164.0	100.0	274	70.5	100.0
All Accidents	E800-949	325	40.6	34.2	251	60.8	37.1	74	19.0	27.0
Suicide	E950-959	155	19.3	16.3	126	30.5	18.6	29	7.5	10.6
Malignant Neoplasms	140-208,230-234	109	13.6	11.5	55	13.3	8.1	54	13.9	19.7
Homicide	E960-969	62	7.7	6.5	40	9.7	5.9	22	5.7	8.0
Human Immunodeficiency Virus	042-044	53	6.6	5.6	51	12.4	7.5	2	.5	.7
All Other Causes		247	30.8	26.0	154	37.3	23.7	93	23.9	33.9

Table 2 (continued)

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1987

	International List Number		Total			Male			Female	
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
35 - 44										
All Causes		1,173	167.3	100.0	810	229.1	100.0	363	104.5	100.0
Malignant Neoplasms	140-208,230-234	285	40.7	24.3	132	37.3	16.3	153	44.0	42.1
All Accidents	E800-949	211	30.1	18.0	164	46.4	20.2	47	13.5	12.9
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	181	25.8	15.4	147	41.6	18.1	34	9.8	9.4
Suicide	E950-959	118	16.8	10.1	104	29.4	12.8	14	4.0	3.9
Human Immunodeficiency Virus	042-044	67	9.6	5.7	66	18.7	8.1	1	.3	.3
All Other Causes		311	26.5	26.5	197	55.7	24.3	114	32.8	31.4
45 - 54										
All Causes		1,691	390.1	100.0	1,066	481.5	100.0	625	294.7	100.0
Malignant Neoplasms	140-208,230-234	628	144.9	37.1	319	144.1	29.9	309	145.7	49.4
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	445	102.7	26.3	343	154.9	32.2	102	48.1	16.3
All Accidents	E800-949	104	24.0	6.2	85	38.4	8.0	19	9.0	3.0
Suicide	E950-959	80	18.5	4.7	54	24.4	5.1	26	12.3	4.2
Cirrhosis of Liver	571	71	16.4	4.2	45	20.3	4.2	26	12.3	4.2
All Other Causes		363	83.7	21.5	220	99.4	20.6	143	67.4	22.9
55 - 64										
All Causes		4,108	1076.1	100.0	2,472	1344.2	100.0	1,636	826.9	100.0
Malignant Neoplasms	140-208,230-234	1,592	417.0	38.8	864	469.8	35.0	728	367.9	44.5
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1,199	314.1	29.2	834	453.5	33.7	365	184.5	22.3
Chronic Obstructive Pulmonary Diseases	490-496	208	54.5	5.1	115	62.6	4.7	93	47.0	5.7
Cerebrovascular Disease	430-438	168	44.0	4.1	84	45.7	3.4	84	42.5	5.1
All Accidents	E800-949	127	33.3	3.1	85	46.2	3.4	42	21.2	2.6
All Other Causes		814	213.2	19.8	490	266.4	19.8	324	163.8	19.8
65 - 74										
All Causes		7,994	2553.8	100.0	4,671	3261.9	100.0	3,323	1956.8	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	2,651	846.9	33.2	1,704	1189.9	36.5	947	557.6	28.5
Malignant Neoplasms	140-208,230-234	2,605	832.2	32.6	1,453	1014.7	31.1	1,152	678.4	34.7
Chronic Obstructive Pulmonary Diseases	490-496	597	190.7	7.5	324	226.3	6.9	273	160.8	8.2
Cerebrovascular Disease	430-438	482	154.0	6.0	247	172.5	5.3	235	138.4	7.1
Diabetes Mellitus	250	178	56.9	2.2	93	64.9	2.0	85	50.1	2.6
All Other Causes		1,481	473.1	18.5	850	593.6	18.2	631	371.6	19.0
75 - 84										
All Causes		9,617	5968.6	100.0	4,868	7745.3	100.0	4,747	4830.3	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,604	2236.8	37.5	1,825	2903.7	37.5	1,778	1809.2	37.5
Malignant Neoplasms	140-208,230-234	2,097	1301.5	21.8	1,153	1834.5	23.7	944	960.6	19.9
Cerebrovascular Disease	430-438	937	581.5	9.7	367	583.9	7.5	570	580.0	12.0
Chronic Obstructive Pulmonary Diseases	490-496	632	392.2	6.6	378	601.4	7.8	254	258.5	5.4
Influenza and Pneumonia	480-487	320	198.6	3.3	167	265.7	3.4	153	155.7	3.2
All Other Causes		2,027	1258.0	21.1	978	1556.1	20.1	1,048	1066.4	22.1
85 and Over										
All Causes		7,753	14598.0	100.0	2,544	16813.2	100.0	5,209	13715.5	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,223	6068.5	41.6	1,044	6899.7	41.0	2,179	5737.4	41.8
Cerebrovascular Disease	430-438	956	1800.0	12.3	224	1480.4	8.8	732	1927.4	14.1
Malignant Neoplasms	140-208,230-234	826	1555.3	10.7	327	2161.1	12.9	499	1313.9	9.6
Influenza and Pneumonia	480-487	572	1077.0	7.4	205	1354.8	8.1	367	966.3	7.0
Chronic Obstructive Pulmonary Diseases	490-496	248	466.9	3.2	136	898.8	5.3	112	294.9	2.2
All Other Causes		1,928	3630.2	24.9	608	4018.2	23.9	1,320	3475.6	25.3
Age Unknown										
All Causes		9		100.0	7		100.0	2		100.0
Homicide	E960-969	5		55.6	3		42.9	2		100.0
Undetermined External Injuries	E980-989	2		22.2	2		28.6			
All Accidents	E800-949	1	11.1	1	14.3					
All Other Causes		1	11.1	1	14.3					

*Total includes 2 sex(es) unknown.

[1] Rate Per 100,000 population in each age - sex group.

[2] Percent of total deaths in each age - sex group.

[3] Detail may not add up to 100 percent due to rounding.

Table 3

Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1987

Cause with International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Total All Causes	[34,967]	[780.3]	[18,208]	[816.1]	[16,757]	[744.7]	[2]
Infectious and Parasitic Diseases	[488]	[10.9]	[326]	[14.6]	[162]	[7.2]	
Tuberculosis (010-018, 137)	24	.5	12	.5	12	.5	
Septicemia (038)	189	4.2	97	4.3	92	4.1	
Human Immunodeficiency Virus (042-044)	163	3.6	159	7.1	4	.2	
Other (000-139)	112	2.5	58	2.6	54	2.4	
Neoplasms	[8,305]	[185.3]	[4,390]	[196.8]	[3,915]	[174.0],	
Malignant Neoplasms (140-208,230-234)	8,208	183.2	4,343	194.7	3,865	171.8	
Benign and Unspecified Neoplasms (210-229,235-239)	97	2.2	47	2.1	50	2.2	
Endocrine, Nutritional, Metabolic Diseases, and Immunity Disorders	[838]	[18.7]	[372]	[16.7]	[466]	[20.7]	
Diabetes Mellitus (250)	646	14.4	281	12.6	365	16.2	
Nutitional Deficiencies (260-269)	45	1.0	20	.9	25	1.1	
Other (240-279)	147	3.3	71	3.2	76	3.4	
Diseases of Blood and Blood-forming Organs	[148]	[3.3]	[60]	[2.7]	[88]	[3.9]	
Anemia (280-285)	59	1.3	18	.8	41	1.8	
Other (286-289)	89	2.0	42	1.9	47	2.1	
Mental Disorders	[513]	[11.4]	[207]	[9.3]	[306]	[13.6]	
Alcohol-related (291,303,305)	96	2.1	71	3.2	25	1.1	
Other (290-319)	417	9.3	136	6.1	281	12.5	
Diseases of the Nervous System and Sense Organs	[869]	[19.4]	[398]	[17.8]	[470]	[20.9]	[1]
Parkinson's Disease (332)	161	3.6	87	3.9	73	3.2	1
Amyotrophic Lateral Sclerosis (335.2)	65	1.5	30	1.3	35	1.6	
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	412	9.2	166	7.4	246	10.9	
Multiple Sclerosis (340)	45	1.0	11	.5	34	1.5	
Other (320-326,340-389)	186	4.2	104	4.7	82	3.6	
Diseases of the Circulatory System	[15,133]	[337.7]	[7,494]	[335.9]	[7,638]	[339.5]	[1]
Diseases of the Heart (391-392.0,393-398,402,404,410-417,420-429)							
Chronic Rheumatic Heart Disease (391-392.0,393-398)	93	2.1	28	1.3	65	2.9	
Hypertensive Heart Disease (402)	281	6.3	112	5.0	169	7.5	
Hypertensive Heart and Renal Disease (404)	26	.6	8	.4	18	.8	
Acute Ischemic Heart Disease (410,411)	3,408	76.1	1,946	87.2	1,462	65.0	
Chronic Ischemic Heart Disease (412-414)	3,846	85.8	2,064	92.5	1,781	79.2	1
Other Heart Disease (415-417,420-429)	3,743	83.5	1,803	80.8	1,940	86.2	
Hypertensive Disease (401-403)	115	2.6	56	2.5	59	2.6	
Cerebrovascular Disease (430-438)	2,653	59.2	978	43.8	1,675	74.4	
Arteriosclerosis (440)	445	9.9	175	7.8	270	12.0	
Other (390-459)	523	11.7	324	14.5	199	8.8	
Diseases of the Respiratory System	[3,236]	[72.2]	[1,670]	[74.9]	[1,566]	[69.6]	
Chronic and Unqualified Bronchitis (490-491)	43	1.0	19	.9	24	1.1	
Emphysema (492)	244	5.4	151	6.8	93	4.1	
Asthma (493)	103	2.3	36	1.6	67	3.0	
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,347	30.1	770	34.5	577	25.6	
Pneumonia (480-486)	1,088	24.3	486	21.8	602	26.8	
Influenza (487)	22	.5	9	.4	13	.6	
Other (460-478,500-519)	389	8.7	199	8.9	190	8.4	

[1] Rates per 100,000 estimated population

Table 3 (continued)

Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1987

Cause with International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Diseases of the Digestive System	[1,256]	[28.0]	[609]	[27.3]	[647]	[28.8]	
Ulcer Of Stomach and Duodenum (531-533)	130	2.9	63	2.8	67	3.0	
Hernia and Intestinal Obstruction (550-553,560)	108	2.4	39	1.7	69	3.1	
Cirrhosis of the Liver (571)	412	9.2	252	11.3	160	7.1	
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	60	1.3	26	1.2	34	1.5	
Other (520-579)	546	12.2	229	10.3	317	14.1	
Diseases of the Genitourinary System	[393]	[8.8]	[174]	[7.8]	[219]	[9.7]	
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	202	4.5	94	4.2	108	4.8	
Other (590-629)	191	4.3	80	3.6	111	4.9	
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	[3]	]			[3]	]	
Diseases of the Skin and Subcutaneous Tissue (680-709)	[41]	[.9]	[14]	[.6]	[27]	[1.2]	
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	[125]	[2.8]	[37]	[1.7]	[88]	[3.9]	
Congenital Anomalies (740-759)	[269]	[6.0]	[134]	[6.0]	[135]	[6.0]	
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	[97]	[2.2]	[64]	[2.9]	[33]	[1.5]	
Other Causes of Mortality in Early Infancy (760-762,764-766,770-779)	[169]	[3.8]	[103]	[4.6]	[66]	[2.9]	
Symptoms, Signs, and Other Ill-defined Conditions	[311]	[6.9]	[169]	[7.6]	[142]	[6.3]	
Sudden Infant Death Syndrome (798.0-798.1)	186	4.2	118	5.3	68	3.0	
Other (780-799)	125	2.8	51	2.3	74	3.3	
Accidents	[1,688]	[37.7]	[1,168]	[52.4]	[520]	[23.1]	
Motor Vehicle (E810-825,E9290)	869	19.4	604	27.1	265	11.8	
Water Transport (E830-838)	35	.8	34	1.5	1		
Air and Space Transport (E840-845)	36	.8	28	1.3	8	.4	
Accidental Poisoning (E850-869,E9292)	103	2.3	73	3.3	30	1.3	
Falls (E880-888, E9293)	252	5.6	130	5.8	122	5.4	
Fire (E890-899,E9294)	60	1.3	42	1.9	18	.8	
Accidental Drowning (E910)	80	1.8	67	3.0	13	.6	
Other (E800-949)	253	5.6	190	8.5	63	2.8	
Suicide	[707]	[15.8]	[564]	[25.3]	[143]	[6.4]	
Firearms and Explosives (E955)	377	8.4	330	14.8	47	2.1	
Other (E950-954,E956-959)	330	7.4	234	10.5	96	4.3	
Homicide	[263]	[5.9]	[168]	[7.5]	[95]	[4.2]	
Firearms and Explosives (E965)	128	2.9	90	4.0	38	1.7	
Other (E960-964,E966-969)	135	3.0	78	3.5	57	2.5	
Legal Intervention (E979-978)	[5]	[.1]	[5]	[.2]			
Undetermined External Injuries (E980-989)	[112]	[2.5]	[82]	[3.7]	[30]	[1.3]	

[1] Rates per 100,000 estimated population

Table 4

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] By Sex, Washington State Residents 1987

	Total[2]		Male		Female		
Cause with International List Number	Number	Rate	Number	Rate	Number	Rate	Unknown
Total All Causes	[8,208]	[183.2]	[4,343]	[194.7]	[3,865]	[171.8]	
Lip, Oral Cavity, and Pharynx (140-149,230.0)	[124]	[2.8]	[70]	[3.1]	[54]	[2.4]	
Digestive Organs and Peritoneum (150-159,230.1-230.9)	[1,978]	[44.1]	[1,034]	[46.3]	[944]	[42.0]	
Esophagus (150,230.1)	164	3.7	112	5.0	52	2.3	
Stomach (151,230.2)	252	5.6	154	6.9	98	4.4	
Small Intestine, including Duodenum (152)	19	.4	10	.4	9	.4	
Colon (153,230.3)	784	17.5	384	17.2	400	17.8	
Rectum (154,230.4-230.6)	115	2.6	64	2.9	51	2.3	
Liver And Intrahepatic Ducts (155,230.8)	120	2.7	66	3.0	54	2.4	
Gallbladder and Extrahepatic Bile Ducts (156)	61	1.4	25	1.1	36	1.6	
Pancreas (157)	411	9.2	197	8.8	214	9.5	
Retroperitoneum and Peritoneum (158)	12	.3	5	.2	7	.3	
Other And Ill-defined Sites (159,230.7,230.9)	40	.9	17	.8	23	1.0	
Respiratory and Intrathoracic Organs (160-165,231)	[2,391]	[53.4]	[1,506]	[67.5]	[885]	[39.3]	
Lung (162,231.1,231.2)	2,312	51.6	1,442	64.6	870	38.7	
Other and Ill-defined Sites (160-161,163-165,231.0,231.8,231.9)	79	1.8	64	2.9	15	.7	
Bone, Connective Tissue, Skin and Breast (170-175,232,233.0)	[899]	[20.1]	[154]	[6.9]	[745]	[33.1]	
Bone and Articular Cartilage (170)	15	.3	10	.4	5	.2	
Connective Tissue and Other Soft Tissue (171)	50	1.1	37	1.7	13	.6	
Skin (172-173,232)	153	3.4	99	4.4	54	2.4	
Breast (174,175,233.0)	681	15.2	8	.4	673	29.9	
Genital Organs (179-187,233.1-233.6)	[943]	[21.0]	[534]	[23.9]	[409]	[18.2]	
Urinary Organs (188-189,233.7-233.9)	[341]	[7.6]	[215]	[9.6]	[126]	[5.6]	
Brain (191)	[234]	[5.2]	[132]	[5.9]	[102]	[4.5]	
Other and Ill-defined Sites (190,192-199,234)	[508]	[11.3]	[262]	[11.7]	[246]	[10.9]	
Lymphatic and Hematopoietic Tissue (200-208)	[790]	[17.6]	[436]	[19.5]	[354]	[15.7]	
Lymphosarcoma (200)	120	2.7	67	3.0	53	2.4	
Hodgkins Disease (201)	30	.7	19	.9	11	.5	
Lymphoid and Histiocytic Tissue (202)	177	3.9	93	4.2	84	3.7	
Multiple Myeloma and Immunoproliferative Tissue (203)	141	3.1	74	3.3	67	3.0	
Lymphoid Leukemia (204)	81	1.8	43	1.9	38	1.7	
Myeloid Leukemia (205)	173	3.9	97	4.3	76	3.4	
Monocytic Leukemia (206)	8	.2	3	.1	5	.2	
Other and Unspecified Leukemia (207-208)	60	1.3	40	1.8	20	.9	

[1] Rates per 100,000 estimated population

[2] Group totals are shown in brackets

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Table 5

Deaths by Non-transport Causes by Place of Accident, Washington State Residents 1987

Cause of Death	Total	Home	Nursing Home	Agriculture	Industry	Prison	Public	Unknown
State Total	730	334	57	36	24		172	107
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	76	53					13	10
Poisoning By Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	27	16		1			10	
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	36	2	1				6	27
Falls (E880-E888)	249	127	49	2	6		33	32
Falls on Stairs and Ladders (E880,E881)	32	25			2		5	
Falls from One Level to Another (E882-E884)	57	15	19	2	4		16	1
Falls on Same Level (E885,E886)	9	6	1				1	1
Other and Unspecified Falls (E887,E888)	151	81	29				11	30
Fire (E890-E899)	60	55					4	1
Natural and Environmental Factors (E900-E909)	9	1		1			6	1
Drowning, excluding Submersion following Boating Accidents (E910)	80	17					62	1
Inhalation and Ingestion of Food Or Other Object Causing Suffocation and Obstruction (E911,E912)	39	6	2				5	26
Mechanical Suffocation (E913)	31	19	3	1	2		6	
Foreign Body Entering Other Orifice (E914,E915)								
Struck by, Against or Between Objects (E916-E918)	38	7		19	3		8	1
Machinery (E919,E920)	33	9		9	9		6	
Explosion and Explosive Material (E921,E923)	3	1		1	1			
Firearms (E922)	20	13					7	
Hot Substance, Corrosive Liquid and Steam (E924)	3	3						
Electricity (E925)	8	2		1	3		1	1
Other and Unspecified Non Transport Accidents (E926-E949)	18	3	2	1			5	7

Table 6

Deaths with Rates[1] by Place of Residence and Occurrence, Washington State 1987

County and City	Residence		Occurrence	
	Total	Rate	Total	Rate
State Total	34,967	7.8	35,190	7.9
Adams	100	7.1	89	6.4
Asotin	163	9.5	142	8.3
Benton	659	6.3	649	6.2
Kennewick	289	7.7	295	7.9
Richland	202	6.7	256	8.5
Chelan	431	8.9	579	11.9
Wenatchee	221	12.0	438	23.7
Clallam	589	11.0	521	9.8
Port Angeles	213	12.3	339	19.6
Clark	1,486	7.1	1,320	6.3
Vancouver	591	13.6	1,122	25.9
Columbia	41	10.0	33	8.0
Cowlitz	713	9.0	748	9.4
Kelso	126	11.8	33	3.1
Longview	349	11.8	649	22.0
Douglas	189	8.0	72	3.1
Ferry	48	8.0	30	5.0
Franklin	239	6.7	205	5.8
Pasco	175	9.4	189	10.2
Garfield	23	9.6	24	10.0
Grant	363	7.0	308	5.9
Moses Lake	98	9.2	129	12.2
Grays Harbor	697	11.1	591	9.4
Aberdeen	242	14.2	394	23.2
Island	397	7.6	292	5.6
Oak Harbor	83	5.9	64	4.6
Jefferson	173	9.6	148	8.2
King	10,226	7.4	11,139	8.0
Auburn	288	9.5	360	11.9
Bellevue	479	5.8	533	6.5
Des Moines	123	8.9	202	14.6
Kent	179	5.9	136	4.5
Kirkland	204	10.5	408	21.0
Mercer Island	114	5.5	92	4.4
Redmond	130	4.3	226	7.5
Renton	267	7.6	563	15.9
Seattle	5,188	10.6	7,815	15.9
Kitsap	1,129	6.7	1,047	6.2
Bremerton	372	11.5	675	20.8
Kittitas	196	7.8	199	7.9
Ellensburg	93	8.1	149	13.0
Klickitat	137	8.3	109	6.6
Lewis	569	10.0	492	8.6
Centralia	207	17.5	232	19.6
Lincoln	123	12.7	88	9.1
Mason	303	8.4	213	5.9
Okanogan	294	9.3	283	9.0
Pacific	262	15.1	208	12.0
Pend Oreille	87	9.8	63	7.1
Pierce	4,060	7.5	4,156	7.7
Puyallup	231	11.6	645	32.5
Tacoma	1,769	11.1	2,894	18.2
San Juan	80	8.7	56	6.1
Skagit	685	9.9	698	10.0
Anacortes	138	13.6	168	16.5
Mount Vernon	172	11.9	276	19.2
Skamania	64	8.2	32	4.1
Snohomish	2,695	6.8	2,447	6.2
Edmonds	281	9.9	429	15.2
Everett	663	11.0	1,063	17.7
Lynnwood	203	8.4	168	6.9
Mountlake Terrace	90	5.6	37	2.3
Spokane	3,126	8.8	3,635	10.2
Spokane (city)	2,008	11.7	3,419	19.9
Stevens	248	8.2	193	6.4
Thurston	1,065	7.3	1,143	7.9
Lacey	186	11.7	156	9.8
Olympia	365	12.3	858	29.0
Wahkiakum	37	10.3	18	5.0
Walla Walla	509	10.5	594	12.3
Walla Walla (city)	315	12.4	522	20.5
Whatcom	910	7.8	908	7.7
Bellingham	482	10.4	710	15.3
Whitman	244	6.2	163	4.2
Pullman	55	2.5	54	2.4
Yakima	1,607	8.7	1,555	8.4
Yakima (city)	617	12.4	1,125	22.7

[1] Rates per 1,000 population.

Table 7

Deaths by Sex and Race by Place of Residence, Washington State 1987

County and City	Total	Male	Female	Unknown	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	34,967	18,208	16,757	2	33,255	748	99	344	115	68	128	198	3	9
Adams	100	53	47		99		1							
Asotin	163	86	77		160	1		2						
Benton	659	361	297	1	644	4	2	1	2	2		4		
Kennewick	289	149	140		284		2			1		2		
Richland	202	109	92	1	195	4			1	1		1		
Chelan	431	229	202		423	5	2	1						
Wenatchee	221	109	112		214	5	2							
Clallam	589	319	270		573	1		15						
Port Angeles	213	106	107		212			1						
Clark	1,486	810	676		1,470	6	1	3		1	2	3		
Vancouver	591	298	293		582	3		2		1	1	2		
Columbia	41	24	17		41									
Cowlitz	713	364	349		706	1	1	2				3		
Kelso	126	72	54		125		1							
Longview	349	162	187		344	1		1				3		
Douglas	189	114	75		187	1	1							
Ferry	48	25	23		37			11						
Franklin	239	128	111		210	12	14	1		2				
Pasco	175	90	85		151	12	11			1				
Garfield	23	15	8		23									
Grant	363	209	154		354	2	3		2	1		1		
Moses Lake	98	57	41		97				1					
Grays Harbor	697	358	339		686			11						
Aberdeen	242	109	133		238			4						
Island	397	207	190		388	3	2	1		1	1	1		
Oak Harbor	83	40	43		79	3	1							
Jefferson	173	108	65		169	1		2						1
King	10,226	5,145	5,080	1	9,377	455	8	70	76	50	87	102		1
Auburn	288	146	142		281			3			3	1		
Bellevue	479	224	255		451	4			10	3	1	10		
Des Moines	123	46	77		120	2						1		
Kent	179	89	90		172	2	1	2	1			1		
Kirkland	204	92	112		201				1	1		1		
Mercer Island	114	51	63		108				2	3	1			
Redmond	130	65	65		127	1						2		
Renton	267	132	135		253	7		2	1	1	1	2		
Seattle	5,188	2,602	2,585	1	4,512	400	6	44	53	39	70	63		1
Kitsap	1,129	583	546		1,090	11		12	3	3	4	6		
Bremerton	372	172	200		357	6		5	1		1	2		
Kittitas	196	108	88		195			1						
Ellensburg	93	47	46		93									
Klickitat	137	79	58		131		1	4					1	
Lewis	569	294	275		569									
Centralia	207	89	118		207									
Lincoln	123	69	54		123									
Mason	303	174	129		295			8						
Okanogan	294	175	119		268		2	23			1			
Pacific	262	142	120		256			4	1			1		
Pend Oreille	87	52	35		86			1						
Pierce	4,060	2,092	1,968		3,774	173	2	27	14	2	17	48	1	2
Puyallup	231	105	126		227			2			2			
Tacoma	1,769	871	898		1,591	122	1	19	4	2	5	24	1	
San Juan	80	44	36		79					1				
Skagit	685	335	350		676	1		7	1					
Anacortes	138	63	75		136			2						
Mount Vernon	172	79	93		171	1								
Skamania	64	44	20		64									
Snohomish	2,695	1,420	1,275		2,644	7	2	19	4	3	1	14		1
Edmonds	281	129	152		278				2			1		
Everett	663	340	323		649	2		5				7		
Lynnwood	203	112	91		196	2		1		1		3		
Mountlake Terrace	90	50	40		88					2				
Spokane	3,126	1,663	1,463		3,045	35		25	11	1	2	6		1
Spokane (city)	2,008	1,043	965		1,938	30		22	10	1	1	5		1
Stevens	248	124	124		238			9						1
Thurston	1,065	541	524		1,044	5		4	1	1	3	7		
Lacey	186	77	109		184	1						1		
Olympia	365	174	191		356	1		3	1	1	1	2		
Wahkiakum	37	18	19		36			1						
Walla Walla	509	261	248		503	3		1			1	1		
Walla Walla (city)	315	166	149	312	2				1					
Whatcom	910	459	451	890	1	2	17							
Bellingham	482	241	241	477	1		4							
Whitman	244	132	112	241	2				1					
Pullman	55	28	27	54					1					
Yakima	1,607	844	763	1,461	18	55	61	9		1	2			
Yakima (city)	617	285	332	588	11	13	2	2			1			

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Table 8

Deaths by Age Group by Place of Residence, Washington State 1987

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 And Over	Age Unk
State Total	34,967	681	136	179	294	381	951	1,173	1,691	4,108	7,994	9,617	7,753	9
Adams	100	2			2	1	1	5	8	13	23	25	20	
Asotin	163	8					5	8	7	14	33	44	44	
Benton	659	17	4	4	6	8	21	13	32	104	161	187	102	
Kennewick	289	10	3	2	2	5	12	5	9	40	70	87	44	
Richland	202	6	1		1	3	4	5	9	37	45	61	30	
Chelan	431	10	2	2	7	6	8	10	14	32	105	128	107	
Wenatchee	221	6	1	1	3	5	6	4	12	54	64	65		
Clallam	589	14	3	3	10	7	8	20	29	69	142	162	122	
Port Angeles	213	4	1	5	3	3	11	9	21	39	64	53		
Clark	1,486	16	7	6	19	20	30	57	78	193	353	423	284	
Vancouver	591	5	3	1	9	11	7	16	33	77	124	171	134	
Columbia	41						1		5	8	13	14		
Cowlitz	713	9	1	7	12	19	21	30	81	159	192	181	1	
Kelso	126	3	1		4	5	3	6	18	26	30	30		
Longview	349	3		5	2	10	12	12	32	80	97	96		
Douglas	189	2		2	3	4	4	8	6	15	53	61	31	
Ferry	48	1			2	2	2	2	1	5	12	8	13	
Franklin	239	2	2	2	3	9	11	8	12	34	54	61	41	
Pasco	175	2	1	1	1	7	8	4	8	21	46	45	31	
Garfield	23				1			1			10	8	3	
Grant	363	10	4	5	4	7	9	9	17	49	82	100	67	
Moses Lake	98	4	1	1	1	2	5	5	21	23	19	16		
Grays Harbor	697	12	1	3	4	3	11	18	25	87	189	202	142	
Aberdeen	242	4	1	1	2	5	8	6	26	65	65	59		
Island	397	4	2	2	3	1	5	10	12	51	131	110	66	
Oak Harbor	83	2	1	1	1	3	3	15	25	14	18			
Jefferson	173	2		4	1	3	2	7	5	16	49	42	42	
King	10,226	188	35	50	64	84	322	381	525	1,175	2,252	2,793	2,353	4
Auburn	288	4	3		2	2	5	10	15	41	68	87	51	
Bellevue	479	11		1	3	6	19	13	23	63	117	122	101	
Des Moines	123				1	1	3	3	5	7	21	30	52	
Kent	179	7	1	1	3	3	9	2	15	17	51	46	24	
Kirkland	204	2		1		2	6	4	9	24	48	52	56	
Mercer Island	114		1	1	2	1		1	8	12	25	32	31	
Redmond	130	3		1	1	4	5	5	6	16	26	37	26	
Renton	267	11	2				7	6	11	41	64	66	59	
Seattle	5,188	80	14	15	19	35	172	195	214	532	1,082	1,494	1,334	2
Kitsap	1,129	27	3	3	8	12	29	46	64	138	257	309	233	
Bremerton	372	12	2	1	1	7	14	14	13	38	78	96	96	
Kittitas	196	4	1	1	1	2	4	7	10	21	54	55	36	
Ellensburg	93	3	3	4	2	6	21	30	24					
Klickitat	137	2				5	6	7	6	12	31	37	31	
Lewis	569	8	3	2	6	7	11	11	18	61	147	151	144	
Centralia	207	1	3	1	4	6	17	49	52	74				
Lincoln	123		1	2	1	1	2	2	8	16	21	26	43	
Mason	303	3	1	2	4	3	10	9	14	34	95	70	58	
Okanogan	294	7		2	6	4	8	11	8	28	72	78	70	
Pacific	262			3	2	4	7	7	4	32	62	89	52	
Pend Oreille	87			1		3	1		4	8	30	30	10	
Pierce	4,060	110	22	20	37	50	121	142	222	530	934	1,034	836	2
Puyallup	231	4			1	1	1	6	14	17	47	67	73	
Tacoma	1,769	48	6	6	14	19	50	55	83	206	383	463	436	
San Juan	80						1	2	4	12	17	28	16	
Skagit	685	13	2	1	4	5	10	26	36	74	156	187	171	
Anacortes	138	1	1	2	1	2		6	13	24	49	39		
Mount Vernon	172	2			1	2	5	10	18	31	43	60		
Skamania	64			1	1		3	4	7	5	13	19	11	
Snohomish	2,695	73	17	16	23	26	79	94	143	329	587	724	583	1
Edmonds	281	2	2	2			2	8	8	37	53	89	78	
Everett	663	22	6	5	4	6	25	19	26	75	135	184	156	
Lynnwood	203	7	1		2	2	6	8	11	26	47	48	45	
Mountlake Terrace	90	5	1			1		7	8	19	15	27	7	
Spokane	3,126	64	7	17	25	32	89	92	148	358	640	896	758	
Spokane (city)	2,008	36	6	5	12	19	55	53	85	222	397	600	518	
Stevens	248	3		3	4	3	9	10	8	25	62	63	58	
Thurston	1,065	13	5	7	8	11	18	42	42	137	253	282	247	
Lacey	186	2	1		1		1	3	4	23	29	58	64	
Olympia	365	3	1	1	2	2	7	16	7	39	80	108	99	
Wahkiakum	37							3	1	10	17	6		
Walla Walla	509	11	1	3	3	16	11	16	44	110	153	141		
Walla Walla (city)	315	7	1	1	3	8	9	11	30	63	104	78		
Whatcom	910	18	4	1	6	14	21	22	32	91	213	263	225	
Bellingham	482	6	1	1	7	9	10	12	50	102	155	129		
Whitman	244	4	1	4	9	6	13	22	50	80	55			
Pullman	55	2	1	5	3	4	3	11	15	11				
Yakima	1,607	24	9	12	19	25	39	43	80	187	364	467	337	1
Yakima (city)	617	6	2	1	4	7	10	14	29	71	127	190	156	

Table 9

Deaths by Month of Occurrence by Place of Residence, Washington State 1987

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Unknown
State Total	34,967	3,131	2,683	3,095	2,898	2,883	2,913	2,785	2,802	2,745	2,938	2,945	3,148	1
Adams	100	12	7	11	7	12	5	8	10	7	6	9	6	
Asotin	163	11	11	8	27	10	14	16	14	16	8	14	14	
Benton	659	59	58	52	54	67	53	49	43	58	61	43	62	
Kennewick	289	28	23	16	25	28	32	20	21	23	32	14	27	
Richland	202	14	20	23	10	24	13	16	16	21	16	14	15	
Chelan	431	43	31	40	43	38	41	28	29	29	38	30	41	
Wenatchee	221	21	17	24	22	24	20	13	15	13	18	11	23	
Clallam	589	42	41	43	44	56	37	48	47	57	65	50	59	
Port Angeles	213	15	18	12	13	15	14	20	16	22	27	17	24	
Clark	1,486	144	97	139	126	102	140	128	106	121	133	111	139	
Vancouver	591	64	55	51	56	47	54	51	36	50	51	38	38	
Columbia	41	5	5	2	4	2	4	1	2	6	5	2	3	
Cowlitz	713	70	48	63	53	64	60	48	61	57	55	60	74	
Kelso	126	12	8	8	12	8	9	6	16	10	9	10	18	
Longview	349	30	28	35	25	27	29	24	25	28	30	34	34	
Douglas	189	14	17	18	13	17	18	10	21	14	21	13	13	
Ferry	48	5	3	4	4	5	2	5	2	5	3	6	4	
Franklin	239	18	21	13	26	20	22	19	24	13	18	24	21	
Pasco	175	10	14	10	22	13	19	14	17	10	16	15	15	
Garfield	23			1	4	3	1	2	1	2	2	3	4	
Grant	363	29	19	34	36	37	26	38	25	34	25	28	32	
Moses Lake	98	8	8	7	13	6	7	10	5	12	5	11	6	
Grays Harbor	697	65	43	58	52	59	66	61	54	65	60	45	69	
Aberdeen	242	27	15	15	23	23	15	23	27	18	23	15	18	
Island	397	33	35	34	32	38	33	27	35	18	30	38	44	
Oak Harbor	83	7	5	8	5	11	3	3	9	2	7	11	12	
Jefferson	173	15	14	9	12	17	15	12	14	14	13	16	22	
King	10,226	950	830	937	842	815	876	786	830	730	860	875	895	
Auburn	288	26	28	27	23	18	23	27	20	24	24	22	26	
Bellevue	479	43	24	53	45	25	40	42	45	32	29	48	53	
Des Moines	123	13	10	8	6	11	14	3	11	8	16	9	14	
Kent	179	18	14	21	22	4	9	16	15	15	13	15	17	
Kirkland	204	7	10	23	15	15	22	22	21	13	15	17	24	
Mercer Island	114	7	6	15	14	9	5	13	7	9	12	11	6	
Redmond	130	11	7	5	16	9	12	11	20	10	14	8	7	
Renton	267	31	26	22	22	11	23	20	22	19	26	25	20	
Seattle	5,188	494	438	501	411	445	445	391	385	359	428	448	443	
Kitsap	1,129	94	80	97	83	99	96	95	98	91	96	93	107	
Bremerton	372	36	26	35	24	23	35	29	36	29	32	27	40	
Kittitas	196	10	14	23	12	12	12	13	19	24	16	18	23	
Ellensburg	93	3	7	11	6	4	9	9	6	11	12	6	9	
Klickitat	137	10	8	7	15	13	10	12	14	12	10	15	11	
Lewis	569	63	39	56	47	39	48	35	42	48	51	44	57	
Centralia	207	22	20	20	15	12	19	9	16	10	17	25	22	
Lincoln	123	6	12	13	17	2	12	12	14	11	3	10	11	
Mason	303	22	26	22	28	19	34	22	24	29	28	27	22	
Okanogan	294	25	19	27	20	20	25	33	19	31	23	29	23	
Pacific	262	25	18	22	23	28	28	10	20	21	20	22	25	
Pend Oreille	87	5	8	10	8	10	7	8	4	7	7	8	5	
Pierce	4,060	387	305	352	336	342	366	312	326	320	329	330	354	1
Puyallup	231	23	19	20	20	12	21	17	15	24	27	19	14	
Tacoma	1,769	165	134	158	153	153	149	133	153	130	134	145	161	1
San Juan	80	3	8	6	9	6	7	5	5	9	10	7	5	
Skagit	685	56	65	50	53	50	53	62	59	58	57	60	62	
Anacortes	138	12	10	11	11	11	15	11	5	14	11	16	11	
Mount Vernon	172	14	14	11	15	16	14	22	19	16	10	6	15	
Skamania	64	6	9	7	4	4	5	6	7	1	5	3	7	
Snohomish	2,695	234	207	245	215	245	204	228	212	214	223	217	251	
Edmonds	281	32	26	24	18	24	27	29	24	17	21	18	21	
Everett	663	49	43	55	56	63	54	55	59	59	61	44	65	
Lynnwood	203	16	16	13	19	20	13	16	19	20	15	18	18	
Mountlake Terrace	90	8	8	11	6	6	5	10	8	6	6	7	9	
Spokane	3,126	277	242	273	256	270	233	270	245	261	285	261	253	
Spokane (city)	2,008	175	162	164	158	166	155	172	172	169	184	181	150	
Stevens	248	26	15	19	15	21	20	16	28	18	19	22	29	
Thurston	1,065	93	88	96	95	71	86	72	86	88	82	102	106	
Lacey	186	17	17	11	17	13	19	16	12	17	11	18	18	
Olympia	365	31	28	26	37	25	30	19	24	36	32	42	35	
Wahkiakum	37	1	2	6	2	2	3	3	1	4	4	2	7	
Walla Walla	509	46	36	39	57	52	44	39	40	41	38	48	29	
Walla Walla (city)	315	23	19	22	38	31	25	27	25	27	27	34	17	
Whatcom	910	76	64	77	74	71	65	82	71	74	67	93	96	
Bellingham	482	41	32	43	36	43	39	44	39	37	35	44	49	
Whitman	244	22	23	29	23	17	24	10	18	13	21	14	30	
Pullman	55	2	5	6	5	5	3	2	4	3	4	6	10	
Yakima	1,607	129	115	153	127	128	118	154	132	124	141	153	133	
Yakima (city)	617	54	46	59	59	47	47	47	57	40	50	61	50	

Table 10

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1987

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	488	10.9	646	14.4	77	1.7	11,397	254.3	2,653	59.2
Adams	1	7.1	1	7.1			34	242.9	2	14.3
Asotin	1	5.8	3	17.4	2	11.6	54	314.0	14	81.4
Benton	3	2.9	12	11.5			219	210.4	51	49.0
Kennewick	1	2.7	4	10.7			85	227.8	30	80.4
Richland	2	6.6	4	13.2			81	267.5	11	36.3
Chelan	4	8.2	3	6.2			124	254.6	35	71.9
Wenatchee			2	10.8			65	351.7	15	81.2
Clallam	7	13.1	14	26.2	3	5.6	179	335.2	45	84.3
Port Angeles	6	34.8	7	40.6			56	324.4	17	98.5
Clark	15	7.1	34	16.2	3	1.4	486	231.5	109	51.9
Vancouver	9	20.7	13	30.0	1	2.3	190	437.9	44	101.4
Columbia			1	24.4			18	439.0	4	97.6
Cowlitz	6	7.6	6	7.6	2	2.5	254	320.7	49	61.9
Kelso	1	9.3	2	18.7			50	467.3	4	37.4
Longview	4	13.6	2	6.8			131	443.8	27	91.5
Douglas	2	8.5	3	12.8			59	251.1	11	46.8
Ferry	2	33.3					17	283.3	3	50.0
Franklin	4	11.3	12	33.8			68	191.5	11	31.0
Pasco	2	10.8	8	43.2			55	297.0	10	54.0
Garfield							10	416.7	3	125.0
Grant	1	1.9	6	11.5			112	215.0	30	57.6
Moses Lake			1	9.4			29	273.6	6	56.6
Grays Harbor	10	15.9	14	22.2	1	1.6	238	377.8	63	100.0
Aberdeen	3	17.6	9	52.9			77	452.9	24	141.2
Island	4	7.7	3	5.8	4	7.7	123	236.1	34	65.3
Oak Harbor	3	21.5	2	14.3	2	14.3	25	179.1	12	86.0
Jefferson	1	5.5	3	16.6			60	331.5	10	55.2
King	223	16.1	179	12.9	26	1.9	3,204	231.4	778	56.2
Auburn	6	19.8	4	13.2	1	3.3	93	307.3	23	76.0
Bellevue	6	7.3	10	12.2	2	2.4	143	174.2	34	41.4
Des Moines			2	14.5	1	7.3	45	326.3	5	36.3
Kent	2	6.6	1	3.3	1	3.3	50	166.2	10	33.2
Kirkland	3	15.4	3	15.4	1	5.1	67	344.8	16	82.3
Mercer Island							32	154.1	12	57.8
Redmond	1	3.3	2	6.6	1	3.3	37	122.3	10	33.0
Renton	4	11.3	7	19.8			87	246.0	23	65.0
Seattle	158	32.2	84	17.1	14	2.8	1,673	340.5	431	87.7
Kitsap	19	11.3	20	11.9	5	3.0	371	220.0	68	40.3
Bremerton	7	21.6	5	15.4	2	6.2	125	385.9	32	98.8
Kittitas	2	8.0	6	23.9			50	199.2	20	79.7
Ellensburg	1	8.7	2	17.4			25	217.4	10	87.0
Klickitat	1	6.1	3	18.2	1	6.1	40	242.4	6	36.4
Lewis	3	5.3	10	17.5	1	1.8	197	345.0	41	71.8
Centralia	3	25.4	4	33.8	1	8.5	64	541.0	18	152.2
Lincoln			1	10.3			44	453.6	12	123.7
Mason	3	8.3	6	16.7			94	261.1	10	27.8
Okanogan	2	6.3	4	12.7	1	3.2	98	310.1	30	94.9
Pacific	1	5.8	3	17.3			86	497.1	22	127.2
Pend Oreille			1	11.2			28	314.6	5	56.2
Pierce	59	11.0	70	13.0	10	1.9	1,326	246.5	327	60.8
Puyallup	6	30.3	7	35.3			85	428.6	19	95.8
Tacoma	25	15.7	32	20.1	7	4.4	593	373.2	153	96.3
San Juan			2	21.7			26	282.6	7	76.1
Skagit	9	12.9	12	17.3	2	2.9	221	318.0	68	97.8
Anacortes	1	9.8			1	9.8	43	423.2	18	177.2
Mount Vernon	1	6.9	4	27.8			63	437.5	20	138.9
Skamania	1	12.8					21	269.2	2	25.6
Snohomish	38	9.7	52	13.2	5	1.3	893	226.9	170	43.2
Edmonds	5	17.7	7	24.7			94	332.2	16	56.5
Everett	11	18.3	11	18.3	3	5.0	229	381.0	42	69.9
Lynnwood	1	4.1	4	16.5			71	292.7	13	53.6
Mountlake Terrace	1	6.2	2	12.5			30	186.8	2	12.5
Spokane	19	5.3	63	17.7	2	.6	1,081	303.7	257	72.2
Spokane (city)	13	7.6	39	22.7	1	.6	703	408.5	176	102.3
Stevens	2	6.6	3	9.9			78	258.3	22	72.8
Thurston	12	8.2	27	18.6	3	2.1	342	235.1	83	57.0
Lacey			3	18.9			68	429.3	26	164.1
Olympia	7	23.6	9	30.4	1	3.4	128	432.4	24	81.1
Wahkiakum			2	55.6			18	500.0	3	83.3
Walla Walla	8	16.6	17	35.2	1	2.1	192	397.5	29	60.0
Walla Walla (city)	7	27.5	13	51.1	1	3.9	120	472.1	18	70.8
Whatcom	8	6.8	16	13.7	2	1.7	301	256.8	61	52.0
Bellingham	7	15.1	11	23.7	1	2.2	155	334.3	34	73.3
Whitman	3	7.7	7	17.9			73	186.2	18	45.9
Pullman	2	9.0					14	62.9	1	4.5
Yakima	14	7.6	27	14.6	3	1.6	558	302.6	140	75.9
Yakima (city)	7	14.1	10	20.2	1	2.0	216	435.5	66	133.1

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[1] Rates per 100,000 estimated population.

Table 11

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1987

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Cirrhosis of the Liver		Nephritis Nephrotic Syndrome Nephrosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	445	9.9	1,110	24.8	1,737	38.8	412	9.2	202	4.5
Adams	–	–	4	28.6	6	42.9	–	–	–	–
Asotin	4	23.3	5	29.1	5	29.1	2	11.6	–	–
Benton	4	3.8	9	8.6	48	46.1	2	1.9	5	4.8
Kennewick	4	10.7	3	8.0	19	50.9	1	2.7	3	8.0
Richland	–	–	4	13.2	13	42.9	1	3.3	2	6.6
Chelan	3	6.2	10	20.5	31	63.7	6	12.3	3	6.2
Wenatchee	1	5.4	5	27.1	17	92.0	2	10.8	3	16.2
Clallam	18	33.7	23	43.1	29	54.3	12	22.5	1	1.9
Port Angeles	10	57.9	8	46.3	12	69.5	4	23.2	–	–
Clark	10	4.8	55	26.2	81	38.6	16	7.6	5	2.4
Vancouver	5	11.5	26	59.9	39	89.9	4	9.2	2	4.6
Columbia	1	24.4	3	73.2	–	–	–	–	1	24.4
Cowlitz	6	7.6	17	21.5	31	39.1	12	15.2	4	5.1
Kelso	1	9.3	1	9.3	4	37.4	1	9.3	1	9.3
Longview	3	10.2	5	16.9	17	57.6	7	23.7	2	6.8
Douglas	–	–	8	34.0	11	46.8	3	12.8	1	4.3
Ferry	–	–	2	33.3	3	50.0	–	–	–	–
Franklin	3	8.5	4	11.3	10	28.2	3	8.5	1	2.8
Pasco	3	16.2	2	10.8	6	32.4	3	16.2	1	5.4
Garfield	–	–	–	–	1	41.7	–	–	–	–
Grant	4	7.7	6	11.5	19	36.5	5	9.6	4	7.7
Moses Lake	2	18.9	2	18.9	4	37.7	2	18.9	–	–
Grays Harbor	10	15.9	21	33.3	44	69.8	6	9.5	3	4.8
Aberdeen	2	11.8	8	47.1	13	76.5	3	17.6	1	5.9
Island	7	13.4	8	15.4	20	38.4	5	9.6	3	5.8
Oak Harbor	–	–	3	21.5	4	28.7	–	–	2	14.3
Jefferson	1	5.5	12	66.3	4	22.1	1	5.5	3	16.6
King	104	7.5	358	25.9	443	32.0	131	9.5	69	5.0
Auburn	–	–	6	19.8	23	76.0	6	19.8	1	3.3
Bellevue	8	9.7	13	15.8	27	32.9	2	2.4	1	1.2
Des Moines	4	29.0	5	36.3	7	50.8	–	–	–	–
Kent	2	6.6	4	13.3	15	49.9	–	–	1	3.3
Kirkland	2	10.3	7	36.0	6	30.9	1	5.1	3	15.4
Mercer Island	2	9.6	5	24.1	4	19.3	–	–	–	–
Redmond	1	3.3	3	9.9	5	16.5	3	9.9	–	–
Renton	3	8.5	7	19.8	14	39.6	4	11.3	1	2.8
Seattle	41	8.3	201	40.9	195	39.7	82	16.7	33	6.7
Kitsap	5	3.0	37	21.9	57	33.8	13	7.7	7	4.2
Bremerton	1	3.1	15	46.3	17	52.5	4	12.3	1	3.1
Kittitas	1	4.0	5	19.9	12	47.8	2	8.0	1	4.0
Ellensburg	–	–	3	26.1	7	60.9	–	–	–	–
Klickitat	3	18.2	7	42.4	9	54.5	2	12.1	–	–
Lewis	14	24.5	23	40.3	26	45.5	1	1.8	8	14.0
Centralia	8	67.6	10	84.5	9	76.1	–	–	5	42.3
Lincoln	–	–	10	103.1	4	41.2	–	–	3	30.9
Mason	1	2.8	18	50.0	17	47.2	1	2.8	2	5.6
Okanogan	3	9.5	10	31.6	15	47.5	1	3.2	2	6.3
Pacific	2	11.6	11	63.6	8	46.2	2	11.6	1	5.8
Pend Oreille	1	11.2	5	56.2	5	56.2	–	–	–	–
Pierce	79	14.7	82	15.2	231	42.9	51	9.5	16	3.0
Puyallup	8	40.3	7	35.3	13	65.6	–	–	–	–
Tacoma	36	22.7	42	26.4	93	58.5	29	18.3	6	3.8
San Juan	–	–	4	43.5	2	21.7	1	10.9	1	10.9
Skagit	16	23.0	25	36.0	39	56.1	10	14.4	2	2.9
Anacortes	3	29.5	6	59.1	6	59.1	1	9.8	1	9.8
Mount Vernon	7	48.6	5	34.7	9	62.5	2	13.9	–	–
Skamania	1	12.8	3	38.5	3	38.5	–	–	1	12.8
Snohomish	34	8.6	87	22.1	123	31.3	30	7.6	13	3.3
Edmonds	5	17.7	11	38.9	8	28.3	5	17.7	2	7.1
Everett	6	10.0	24	39.9	26	43.3	6	10.0	3	5.0
Lynnwood	1	4.1	6	24.7	18	74.2	2	8.2	2	8.2
Mountlake Terrace	2	12.5	1	6.2	6	37.4	1	6.2	–	–
Spokane	43	12.1	105	29.5	184	51.7	39	11.0	20	5.6
Spokane (city)	30	17.4	69	40.1	122	70.9	26	15.1	15	8.7
Stevens	3	9.9	6	19.9	14	46.4	2	6.6	2	6.6
Thurston	10	6.9	26	17.9	51	35.1	23	15.8	8	5.5
Lacey	2	12.6	5	31.6	7	44.2	2	12.6	1	6.3
Olympia	2	6.8	12	40.5	23	77.7	12	40.5	1	3.4
Wahkiakum	–	–	–	–	3	83.3	–	–	–	–
Walla Walla	16	33.1	16	33.1	20	41.4	5	10.4	3	6.2
Walla Walla (city)	12	47.2	5	19.7	15	59.0	3	11.8	2	7.9
Whatcom	14	11.9	35	29.9	45	38.4	7	6.0	4	3.4
Bellingham	9	19.4	16	34.5	25	53.9	4	8.6	2	4.3
Whitman	2	5.1	7	17.9	10	25.5	1	2.6	2	5.1
Pullman	–	–	3	13.5	–	–	–	–	1	4.5
Yakima	22	11.9	43	23.3	73	39.6	17	9.2	3	1.6
Yakima (city)	10	20.2	21	42.3	28	56.5	6	12.1	1	2.0

[1] Rates per 100,000 estimated population.

Table 12

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1987

County and City	Malignant Neoplasms Total All Sites Number	Malignant Neoplasms Total All Sites Rate	Lip, Oral Cavity and Pharynx Number	Lip, Oral Cavity and Pharynx Rate	Digestive Organs and Peritoneum Number	Digestive Organs and Peritoneum Rate	Respiratory and Intrathoracic Organs Number	Respiratory and Intrathoracic Organs Rate	Genital Organs Number	Genital Organs Rate
State Total	8,208	183.2	124	2.8	1,978	44.1	2,391	53.4	943	21.0
Adams	31	221.4	1	7.1	5	35.7	10	71.4	3	21.4
Asotin	31	180.2	–	–	13	75.6	7	40.7	2	11.6
Benton	175	168.1	–	–	34	32.7	61	58.6	18	17.3
Kennewick	78	209.0	–	–	16	42.9	28	75.0	9	24.1
Richland	51	168.4	–	–	8	26.4	16	52.8	8	26.4
Chelan	98	201.2	3	6.2	21	43.1	27	55.4	12	24.6
Wenatchee	52	281.4	–	–	12	64.9	15	81.2	9	48.7
Clallam	132	247.2	–	–	26	48.7	54	101.1	14	26.2
Port Angeles	44	254.9	–	–	10	57.9	18	104.3	8	46.3
Clark	369	175.8	5	2.4	80	38.1	121	57.6	39	18.6
Vancouver	142	327.3	2	4.6	35	80.7	39	89.9	17	39.2
Columbia	11	268.3	1	24.4	2	48.8	–	–	2	48.8
Cowlitz	179	226.0	4	5.1	37	46.7	54	68.2	24	30.3
Kelso	33	308.4	1	9.3	6	56.1	6	56.1	5	46.7
Longview	79	267.6	2	6.8	12	40.7	25	84.7	15	50.8
Douglas	40	170.2	–	–	8	34.0	12	51.1	8	34.0
Ferry	9	150.0	–	–	4	66.7	3	50.0	–	–
Franklin	62	174.6	–	–	12	33.8	22	62.0	10	28.2
Pasco	43	232.2	–	–	9	48.6	15	81.0	6	32.4
Garfield	6	250.0	–	–	1	41.7	3	125.0	1	41.7
Grant	96	184.3	–	–	24	46.1	23	44.1	15	28.8
Moses Lake	33	311.3	–	–	6	56.6	5	47.2	8	75.5
Grays Harbor	145	230.2	2	3.2	46	73.0	40	63.5	21	33.3
Aberdeen	51	300.0	–	–	18	105.9	16	94.1	6	35.3
Island	107	205.4	2	3.8	29	55.7	33	63.3	13	25.0
Oak Harbor	17	121.8	–	–	5	35.8	4	28.7	1	7.2
Jefferson	36	198.9	–	–	9	49.7	15	82.9	4	22.1
King	2,462	177.8	34	2.5	647	46.7	655	47.3	287	20.7
Auburn	68	224.7	4	13.2	20	66.1	19	62.8	6	19.8
Bellevue	120	146.2	2	2.4	28	34.1	35	42.6	8	9.7
Des Moines	21	152.3	–	–	3	21.8	6	43.5	3	21.8
Kent	48	159.5	–	–	11	36.6	17	56.5	4	13.3
Kirkland	54	277.9	1	5.1	11	56.6	8	41.2	7	36.0
Mercer Island	49	236.0	–	–	13	62.6	16	77.1	6	28.9
Redmond	40	132.2	–	–	10	33.0	11	36.4	5	16.5
Renton	65	183.8	–	–	15	42.4	23	65.0	5	14.1
Seattle	1,156	235.3	11	2.2	327	66.6	280	57.0	144	29.3
Kitsap	283	167.9	3	1.8	69	40.9	83	49.2	31	18.4
Bremerton	79	243.9	1	3.1	23	71.0	29	89.5	9	27.8
Kittitas	49	195.2	–	–	11	43.8	13	51.8	9	35.9
Ellensburg	26	226.1	–	–	5	43.5	9	78.3	5	43.5
Klickitat	30	181.8	–	–	3	18.2	10	60.6	7	42.4
Lewis	123	215.4	–	–	26	45.5	42	73.6	18	31.5
Centralia	45	380.4	–	–	9	76.1	18	152.2	8	67.6
Lincoln	21	216.5	1	10.3	7	72.2	8	82.5	–	–
Mason	82	227.8	–	–	18	50.0	30	83.3	8	22.2
Okanogan	59	186.7	1	3.2	14	44.3	17	53.8	5	15.8
Pacific	64	369.9	1	5.8	14	80.9	20	115.6	5	28.9
Pend Oreille	20	224.7	–	–	4	44.9	5	56.2	5	56.2
Pierce	979	182.0	16	3.0	238	44.2	298	55.4	103	19.1
Puyallup	40	201.7	–	–	8	40.3	7	35.3	6	30.3
Tacoma	407	256.1	6	3.8	98	61.7	137	86.2	42	26.4
San Juan	22	239.1	–	–	4	43.5	4	43.5	4	43.5
Skagit	136	195.7	2	2.9	31	44.6	47	67.6	13	18.7
Anacortes	29	285.4	–	–	5	49.2	8	78.7	4	39.4
Mount Vernon	25	173.6	–	–	8	55.6	11	76.4	1	6.9
Skamania	18	230.8	–	–	3	38.5	11	141.0	1	12.8
Snohomish	652	165.7	11	2.8	153	38.9	186	47.3	82	20.8
Edmonds	73	258.0	3	10.6	21	74.2	16	56.5	8	28.3
Everett	152	252.9	3	5.0	42	69.9	44	73.2	20	33.3
Lynnwood	45	185.5	2	8.2	10	41.2	12	49.5	4	16.5
Mountlake Terrace	30	186.8	–	–	5	31.1	14	87.2	2	12.5
Spokane	670	188.3	17	4.8	145	40.7	178	50.0	69	19.4
Spokane (city)	407	236.5	15	8.7	83	48.2	109	63.3	46	26.7
Stevens	48	158.9	1	3.3	12	39.7	16	53.0	2	6.6
Thurston	243	167.0	3	2.1	55	37.8	70	48.1	24	16.5
Lacey	36	227.3	–	–	8	50.5	12	75.8	4	25.3
Olympia	73	246.6	3	10.1	14	47.3	15	50.7	7	23.6
Wahkiakum	3	83.3	–	–	–	–	2	55.6	1	27.8
Walla Walla	78	161.5	1	2.1	24	49.7	19	39.3	10	20.7
Walla Walla (city)	49	192.8	1	3.9	15	59.0	12	47.2	5	19.7
Whatcom	228	194.5	6	5.1	56	47.8	69	58.9	22	18.8
Bellingham	122	263.2	4	8.6	27	58.2	40	86.3	11	23.7
Whitman	66	168.4	–	–	17	43.4	16	40.8	8	20.4
Pullman	17	76.4	–	–	4	18.0	6	27.0	2	9.0
Yakima	345	187.1	9	4.9	76	41.2	107	58.0	43	23.3
Yakima (city)	140	282.3	4	8.1	40	80.6	38	76.6	14	28.2

[1] Rates per 100,000 estimated population.

Table 12 (continued)

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1987

County and City	Urinary Organs		Skin		Breast		Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	341	7.6	153	3.4	681	15.2	790	17.6	807	18.0
Adams	1	7.1	–	–	2	14.3	6	42.9	3	21.4
Asotin	–	–	2	11.6	2	11.6	1	5.8	4	23.3
Benton	11	10.6	6	5.8	14	13.4	16	15.4	15	14.4
Kennewick	3	8.0	1	2.7	9	24.1	4	10.7	8	21.4
Richland	5	16.5	2	6.6	2	6.6	9	29.7	1	3.3
Chelan	6	12.3	1	2.1	4	8.2	14	28.7	10	20.5
Wenatchee	3	16.2	1	5.4	1	5.4	9	48.7	2	10.8
Clallam	9	16.9	–	–	5	9.4	12	22.5	12	22.5
Port Angeles	1	5.8	–	–	2	11.6	5	29.0	–	–
Clark	20	9.5	8	3.8	26	12.4	29	13.8	41	19.5
Vancouver	5	11.5	3	6.9	15	34.6	9	20.7	17	39.2
Columbia	–	–	–	–	1	24.4	4	97.6	1	24.4
Cowlitz	6	7.6	2	2.5	13	16.4	24	30.3	15	18.9
Kelso	2	18.7	–	–	2	18.7	6	56.1	5	46.7
Longview	2	6.8	1	3.4	7	23.7	8	27.1	7	23.7
Douglas	3	12.8	–	–	2	8.5	3	12.8	4	17.0
Ferry	–	–	–	–	1	16.7	1	16.7	–	–
Franklin	2	5.6	1	2.8	5	14.1	5	14.1	5	14.1
Pasco	2	10.8	1	5.4	3	16.2	4	21.6	3	16.2
Garfield	–	–	–	–	–	–	1	41.7	–	–
Grant	6	11.5	3	5.8	1	1.9	11	21.1	13	25.0
Moses Lake	2	18.9	1	9.4	1	9.4	4	37.7	6	56.6
Grays Harbor	2	3.2	1	1.6	6	9.5	17	27.0	10	15.9
Aberdeen	–	–	1	5.9	3	17.6	3	17.6	4	23.5
Island	2	3.8	2	3.8	6	11.5	12	23.0	8	15.4
Oak Harbor	–	–	1	7.2	1	7.2	2	14.3	3	21.5
Jefferson	1	5.5	–	–	2	11.0	3	16.6	2	11.0
King	90	6.5	45	3.3	230	16.6	245	17.7	229	16.5
Auburn	1	3.3	1	3.3	4	13.2	9	29.7	4	13.2
Bellevue	9	11.0	–	–	13	15.8	11	13.4	14	17.1
Des Moines	–	–	1	7.3	3	21.8	2	14.5	3	21.8
Kent	2	6.6	–	–	6	19.9	3	10.0	5	16.6
Kirkland	1	5.1	1	5.1	7	36.0	8	41.2	10	51.5
Mercer Island	2	9.6	2	9.6	5	24.1	4	19.3	1	4.8
Redmond	2	6.6	2	6.6	4	13.2	4	13.2	2	6.6
Renton	5	14.1	–	–	6	17.0	8	22.6	3	8.5
Seattle	38	7.7	21	4.3	111	22.6	119	24.2	105	21.4
Kitsap	16	9.5	5	3.0	27	16.0	19	11.3	30	17.8
Bremerton	4	12.3	–	–	6	18.5	4	12.3	3	9.3
Kittitas	2	8.0	2	8.0	2	8.0	6	23.9	4	15.9
Ellensburg	1	8.7	1	8.7	1	8.7	3	26.1	1	8.7
Klickitat	2	12.1	–	–	3	18.2	3	18.2	2	12.1
Lewis	4	7.0	1	1.8	13	22.8	8	14.0	11	19.3
Centralia	–	–	1	8.5	3	25.4	3	25.4	3	25.4
Lincoln	1	10.3	1	10.3	1	10.3	1	10.3	1	10.3
Mason	1	2.8	2	5.6	7	19.4	6	16.7	10	27.8
Okanogan	2	6.3	2	6.3	6	19.0	8	25.3	4	12.7
Pacific	6	34.7	2	11.6	–	–	11	63.6	5	28.9
Pend Oreille	–	–	2	22.5	1	11.2	1	11.2	2	22.5
Pierce	41	7.6	16	3.0	81	15.1	94	17.5	92	17.1
Puyallup	2	10.1	4	20.2	6	30.3	4	20.2	3	15.1
Tacoma	13	8.2	6	3.8	30	18.9	37	23.3	38	23.9
San Juan	1	10.9	1	10.9	2	21.7	3	32.6	3	32.6
Skagit	4	5.8	–	–	11	15.8	13	18.7	15	21.6
Anacortes	2	19.7	–	–	3	29.5	5	49.2	2	19.7
Mount Vernon	–	–	–	–	1	6.9	1	6.9	3	20.8
Skamania	–	–	–	–	2	25.6	1	12.8	–	–
Snohomish	24	6.1	13	3.3	45	11.4	64	16.3	74	18.8
Edmonds	2	7.1	4	14.1	3	10.6	5	17.7	11	38.9
Everett	5	8.3	2	3.3	7	11.6	14	23.3	15	25.0
Lynnwood	2	8.2	1	4.1	4	16.5	8	33.0	2	8.2
Mountlake Terrace	3	18.7	–	–	2	12.5	2	12.5	2	12.5
Spokane	39	11.0	18	5.1	68	19.1	57	16.0	79	22.2
Spokane (city)	24	13.9	11	6.4	37	21.5	37	21.5	45	26.1
Stevens	1	3.3	–	–	4	13.2	5	16.6	7	23.2
Thurston	5	3.4	6	4.1	28	19.2	17	11.7	35	24.1
Lacey	1	6.3	–	–	3	18.9	2	12.6	6	37.9
Olympia	3	10.1	1	3.4	8	27.0	7	23.6	15	50.7
Wahkiakum	–	–	–	–	–	–	–	–	–	–
Walla Walla	3	6.2	2	4.1	3	6.2	10	20.7	6	12.4
Walla Walla (city)	2	7.9	1	3.9	3	11.8	8	31.5	2	7.9
Whatcom	12	10.2	3	2.6	23	19.6	14	11.9	23	19.6
Bellingham	7	15.1	1	2.2	12	25.9	5	10.8	15	32.4
Whitman	3	7.7	1	2.6	8	20.4	7	17.9	6	15.3
Pullman	1	4.5	–	–	–	–	2	9.0	2	9.0
Yakima	15	8.1	5	2.7	26	14.1	38	20.6	26	14.1
Yakima (city)	8	16.1	2	4.0	9	18.1	17	34.3	8	16.1

[1] Rates per 100,000 estimated population.

Table 13

Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Residence, Washington State 1987

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	NUmber	Rate
State Total	163	3.6	159	3.5	4	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick	1	2.7	1	2.7				
Richland								
Chelan								
Wenatchee								
Clallam	2	3.7	2	3.7				
Port Angeles	2	11.6	2	11.6				
Clark	3	1.4	3	1.4				
Vancouver	2	4.6	2	4.6				
Columbia								
Cowlitz	1	1.3	1	1.3				
Kelso								
Longview	1	3.4	1	3.4				
Douglas								
Ferry								
Franklin	1	2.8	1	2.8				
Pasco	1	5.4	1	5.4				
Garfield								
Grant								
Moses Lake								
Grays Harbor								
Aberdeen								
Island								
Oak Harbor								
Jefferson								
King	114	8.2	112	8.1	2	.1		
Auburn	2	6.6	2	6.6				
Bellevue	3	3.7	3	3.7				
Des Moines								
Kent	1	3.3	1	3.3				
Kirkland	2	10.3	2	10.3				
Mercer Island								
Redmond	1	3.3	1	3.3				
Renton	1	2.8	1	2.8				
Seattle	92	18.7	90	18.3	2	.4		
Kitsap	2	1.2	1	.6	1	.6		
Bremerton								
Kittitas	1	4.0	1	4.0				
Ellensburg	1	8.7	1	8.7				
Klickitat	1	6.1	1	6.1				
Lewis								
Centralia								
Lincoln								
Mason								
Okanogan								
Pacific								
Pend Oreille								
Pierce	11	2.0	10	1.9	1	.2		
Puyallup								
Tacoma	7	4.4	6	3.8	1	.6		
San Juan								
Skagit	2	2.9	2	2.9				
Anacortes	1	9.8	1	9.8				
Mount Vernon								
Skamania	1	12.8	1	12.8				
Snohomish	10	2.5	10	2.5				
Edmonds								
Everett	1	1.7	1	1.7				
Lynnwood	1	4.1	1	4.1				
Mountlake Terrace								
Spokane	7	2.0	7	2.0				
Spokane (city)	4	2.3	4	2.3				
Stevens								
Thurston	1	.7	1	.7				
Lacey								
Olympia	1	3.4	1	3.4				
Wahkiakum								
Walla Walla	2	4.1	2	4.1				
Walla Walla (city)	2	7.9	2	7.9				
Whatcom	3	2.6	3	2.6				
Bellingham	3	6.5	3	6.5				
Whitman								
Pullman								
Yakima								
Yakima (city)								

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[1] Rates per 100,000 estimated population.

Table 14

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1987

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	1,688	37.7	869	19.4	252	5.6	115	2.6	60	1.3	392	8.7
Adams	6	42.9	3	21.4	1	7.1	1	7.1	–	–	1	7.1
Asotin	9	52.3	5	29.1	2	11.6	1	5.8	1	5.8	–	–
Benton	35	33.6	24	23.1	2	1.9	1	1.0	–	–	8	7.7
Kennewick	14	37.5	9	24.1	1	2.7	–	–	–	–	4	10.7
Richland	7	23.1	5	16.5	1	3.3	–	–	–	–	1	3.3
Chelan	29	59.5	15	30.8	7	14.4	–	–	1	2.1	6	12.3
Wenatchee	9	48.7	3	16.2	3	16.2	–	–	–	–	3	16.2
Clallam	31	58.1	18	33.7	2	3.7	2	3.7	1	1.9	8	15.0
Port Angeles	9	52.1	4	23.2	2	11.6	1	5.8	–	–	2	11.6
Clark	55	26.2	33	15.7	5	2.4	7	3.3	1	.5	9	4.3
Vancouver	26	59.9	16	36.9	2	4.6	2	4.6	1	2.3	5	11.5
Columbia	–	–	–	–	–	–	–	–	–	–	–	–
Cowlitz	39	49.2	24	30.3	3	3.8	3	3.8	1	1.3	8	10.1
Kelso	10	93.5	6	56.1	1	9.3	1	9.3	–	–	2	18.7
Longview	18	61.0	12	40.7	1	3.4	1	3.4	1	3.4	3	10.2
Douglas	15	63.8	10	42.6	–	–	1	4.3	–	–	4	17.0
Ferry	6	100.0	4	66.7	–	–	–	–	–	–	2	33.3
Franklin	16	45.1	8	22.5	2	5.6	1	2.8	1	2.8	4	11.3
Pasco	9	48.6	4	21.6	2	10.8	1	5.4	–	–	2	10.8
Garfield	1	41.7	–	–	–	–	–	–	–	–	1	41.7
Grant	27	51.8	13	25.0	2	3.8	4	7.7	3	5.8	5	9.6
Moses Lake	5	47.2	1	9.4	2	18.9	1	9.4	–	–	1	9.4
Grays Harbor	26	41.3	19	30.2	2	3.2	1	1.6	–	–	4	6.3
Aberdeen	6	35.3	3	17.6	1	5.9	–	–	–	–	2	11.8
Island	17	32.6	10	19.2	–	–	2	3.8	2	3.8	3	5.8
Oak Harbor	1	7.2	–	–	–	–	–	–	–	–	1	7.2
Jefferson	15	82.9	11	60.8	1	5.5	–	–	1	5.5	2	11.0
King	424	30.6	183	13.2	95	6.9	23	1.7	15	1.1	108	7.8
Auburn	10	33.0	2	6.6	3	9.9	1	3.3	–	–	4	13.2
Bellevue	23	28.0	11	13.4	5	6.1	2	2.4	–	–	5	6.1
Des Moines	3	21.8	1	7.3	1	7.3	–	–	–	–	1	7.3
Kent	8	26.6	6	19.9	–	–	1	3.3	–	–	1	3.3
Kirkland	6	30.9	2	10.3	2	10.3	1	5.1	–	–	1	5.1
Mercer Island	4	19.3	2	9.6	1	4.8	1	4.8	–	–	–	–
Redmond	4	13.2	2	6.6	1	3.3	1	3.3	–	–	–	–
Renton	8	22.6	4	11.3	2	5.7	–	–	–	–	2	5.7
Seattle	188	38.3	69	14.0	51	10.4	9	1.8	6	1.2	53	10.8
Kitsap	51	30.2	30	17.8	6	3.6	3	1.8	1	.6	11	6.5
Bremerton	16	49.4	8	24.7	1	3.1	1	3.1	1	3.1	5	15.4
Kittitas	11	43.8	8	31.9	1	4.0	1	4.0	1	4.0	–	–
Ellensburg	2	17.4	1	8.7	1	8.7	–	–	–	–	–	–
Klickitat	10	60.6	4	24.2	1	6.1	–	–	1	6.1	4	24.2
Lewis	39	68.3	22	38.5	6	10.5	–	–	4	7.0	7	12.3
Centralia	12	101.4	4	33.8	3	25.4	–	–	2	16.9	3	25.4
Lincoln	9	92.8	5	51.5	1	10.3	–	–	–	–	3	30.9
Mason	26	72.2	16	44.4	1	2.8	–	–	2	5.6	7	19.4
Okanogan	24	75.9	10	31.6	4	12.7	2	6.3	1	3.2	7	22.2
Pacific	17	98.3	9	52.0	1	5.8	1	5.8	1	5.8	5	28.9
Pend Oreille	6	67.4	3	33.7	–	–	–	–	–	–	3	33.7
Pierce	165	30.7	92	17.1	20	3.7	13	2.4	2	.4	38	7.1
Puyallup	3	15.1	1	5.0	1	5.0	1	5.0	–	–	–	–
Tacoma	53	33.4	25	15.7	8	5.0	4	2.5	–	–	16	10.1
San Juan	1	10.9	–	–	1	10.9	–	–	–	–	–	–
Skagit	35	50.4	17	24.5	4	5.8	3	4.3	2	2.9	9	12.9
Anacortes	8	78.7	6	59.1	–	–	–	–	–	–	2	19.7
Mount Vernon	10	69.4	5	34.7	2	13.9	–	–	1	6.9	2	13.9
Skamania	5	64.1	–	–	1	12.8	1	12.8	2	25.6	1	12.8
Snohomish	151	38.4	74	18.8	26	6.6	14	3.6	5	1.3	32	8.1
Edmonds	7	24.7	3	10.6	2	7.1	1	3.5	–	–	1	3.5
Everett	35	58.2	23	38.3	4	6.7	1	1.7	–	–	7	11.6
Lynnwood	9	37.1	2	8.2	3	12.4	3	12.4	–	–	1	4.1
Mountlake Terrace	–	–	–	–	–	–	–	–	–	–	–	–
Spokane	145	40.7	65	18.3	22	6.2	11	3.1	6	1.7	41	11.5
Spokane (city)	88	51.1	40	23.2	18	10.5	5	2.9	4	2.3	21	12.2
Stevens	18	59.6	10	33.1	2	6.6	2	6.6	–	–	4	13.2
Thurston	43	29.6	22	15.1	4	2.7	4	2.7	1	.7	12	8.2
Lacey	6	37.9	–	–	3	18.9	2	12.6	1	6.3		
Olympia	11	37.2	7	23.6	1	3.4	–	–	–	–	3	10.1
Wahkiakum	2	55.6	1	27.8	1	27.8	–	–	–	–	–	–
Walla Walla	23	47.6	15	31.1	5	10.4	1	2.1	–	–	2	4.1
Walla Walla (city)	12	47.2	8	31.5	3	11.8	–	–	–	–	1	3.9
Whatcom	52	44.4	28	23.9	8	6.8	3	2.6	–	–	13	11.1
Bellingham	23	49.6	8	17.3	7	15.1	–	–	–	–	8	17.3
Whitman	11	28.1	5	12.8	1	2.6	1	2.6	–	–	4	10.2
Pullman	5	22.5	1	4.5	1	4.5	1	4.5	–	–	2	9.0
Yakima	93	50.4	53	28.7	12	6.5	8	4.3	4	2.2	16	8.7
Yakima (city)	23	46.4	13	26.2	6	12.1	1	2.0	–	–	3	6.0

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[1] Rates per 100,000 estimated population.

Table 15

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1987

County and City	Suicide		Homicide		Undetermined External Injuries	
	Number	Rate	Number	Rate	Number	Rate
State Total	707	15.8	263	5.9	112	2.5
Adams			1	7.1		
Asotin	1	5.8				
Benton	8	7.7	5	4.8	1	1.0
Kennewick	4	10.7	5	13.3	1	2.6
Richland	2	6.6				
Chelan	6	12.3	5	10.3		
Wenatchee	5	27.0	4	21.6		
Clallam	25	46.8	1	1.9	2	3.7
Port Angeles	10	57.9			1	5.7
Clark	34	16.2	12	5.7	4	1.9
Vancouver	9	20.7	4	9.2		
Columbia						
Cowlitz	14	17.7	3	3.8		
Kelso						
Longview	6	20.3				
Douglas	6	25.5	1	4.3		
Ferry					2	33.3
Franklin	3	8.5	11	31.0	1	2.8
Pasco	3	16.1	8	43.1	1	5.3
Garfield						
Grant	9	17.3	2	3.8	2	3.8
Moses Lake	2	18.8			1	9.4
Grays Harbor	14	22.2	2	3.2	1	1.6
Aberdeen	5	29.4	2	11.7		
Island	10	19.2	3	5.8	2	3.8
Oak Harbor	1	7.1				
Jefferson	4	22.1				
King	200	14.4	90	6.5	45	3.3
Auburn	5	16.5	1	3.3		
Bellevue	7	8.5	3	3.6	1	1.2
Des Moines	2	14.5	2	14.5	1	7.2
Kent	8	26.5	3	9.9		
Kirkland	3	15.4			1	5.1
Mercer Island					1	4.8
Redmond	3	9.9	1	3.3	1	3.3
Renton	1	2.8	1	2.8		
Seattle	84	17.0	50	10.1	31	6.3
Kitsap	29	17.2	6	3.6	4	2.4
Bremerton	16	49.3	5	15.4	3	9.2
Kittitas	8	31.9			1	4.0
Ellensburg	3	26.0			1	8.6
Klickitat	2	12.1	3	18.2	1	6.1
Lewis	8	14.0			1	1.8
Centralia	3	25.3			1	8.4
Lincoln	2	20.6				
Mason	5	13.9			3	8.3
Okanogan	8	25.3	1	3.2		
Pacific	4	23.1	1	5.8	1	5.8
Pend Oreille					1	11.2
Pierce	102	19.0	35	6.5	12	2.2
Puyallup			2	10.0	2	10.0
Tacoma	39	24.5	20	12.5	5	3.1
San Juan	3	32.6	2	21.7		
Skagit	14	20.1	3	4.3		
Anacortes	1	9.8				
Mount Vernon	2	13.8	1	6.9		
Skamania			4	51.3	1	12.8
Snohomish	55	14.0	14	3.6	8	2.0
Edmonds	1	3.5	1	3.5	1	3.5
Everett	10	16.6	6	9.9	2	3.3
Lynnwood	4	16.4	1	4.1		
Mountlake Terrace	1	6.2			1	6.2
Spokane	52	14.6	21	5.9	11	3.1
Spokane (city)	31	18.0	16	9.2	4	2.3
Stevens	10	33.1	2	6.6		
Thurston	22	15.1	4	2.7		
Lacey	1	6.3				
Olympia	9	30.4	1	3.3		
Wahkiakum						
Walla Walla	7	14.5	3	6.2	1	2.1
Walla Walla (city)	4	15.7	2	7.8	1	3.9
Whatcom	13	11.1	4	3.4		
Bellingham	4	8.6	1	2.1		
Whitman	6	15.3				
Pullman	3	13.4				
Yakima	23	12.5	24	13.0	7	3.8
Yakima (city)	10	20.1	5	10.0	3	6.0

[1] Rates per 100,000 estimated population.

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Table 16

Deaths by Month by Selected Causes, Washington State Occurrences 1987

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	35,190	3,129	2,693	3,121	2,902	2,897	2,927	2,828	2,832	2,789	2,977	2,932	3,163
Infectious and Parasitic Diseases (001-139)	493	36	50	56	49	38	37	32	33	47	41	50	24
Pneumonia (480-486)	1,092	114	92	106	90	85	79	66	74	81	100	96	109
Influenza (487)	24	7	4	2	1	2	2			3			3
Bronchitis (490-491)	40	6	1	2	6	1	3	3	2	3	2	4	7
Emphysema (492)	247	28	17	27	20	14	21	18	19	13	22	25	23
Asthma (493)	102	9	4	11	9	11	7	7	9	4	13	7	11
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,354	153	85	134	131	111	115	108	91	102	95	102	127
Congenital Anomalies (740-759)	271	26	20	24	23	24	21	21	24	18	19	26	25
Certain Causes of Mortality in Early Infancy (760-799)	272	26	38	23	18	19	19	19	21	26	22	19	22
Motorcycle Accidents (E810-E825)	92	3	3	7	5	8	15	13	12	10	9	4	3
Other Motor Vehicle Accidents (E810-E825)	753	50	59	59	55	51	63	65	74	82	60	77	58
Drownings Resulting from Boating Accident (E830-E832)	37	1	3	1	2	8	4	5	2		3	4	4
Other Drownings (E910)	84	1	2	1	8	12	19	15	11	8	5	1	1
Falls (E880-E888)	257	28	19	11	32	16	16	21	21	26	26	18	23
Fire (E890-E899)	59	2	7	7	6	6	5	5	6	2	5	5	3
Other Accidents (E800-E928)	243	12	20	23	19	23	24	24	19	25	22	16	16
Suicide (E950-E959)	710	47	53	56	44	65	57	65	65	72	63	50	73
Homicide (E960-E969)	253	16	12	19	23	16	23	34	24	23	24	20	19

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Table 17

Deaths Due to Human Immunodeficiency Virus by Rates[1] by Place of Occurrence, Washington State 1987

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	158	3.5	154	3.4	4	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick	1	2.7	1	2.7				
Richland								
Chelan								
Wenatchee								
Clallam	2	3.7	2	3.7				
Port Angeles	2	11.6	2	11.6				
Clark	1	.5	1	.5				
Vancouver	1	2.3	1	2.3				
Columbia								
Cowlitz	1	1.3	1	1.3				
Kelso								
Longview	1	3.4	1	3.4				
Douglas								
Ferry								
Franklin	1	2.8	1	2.8				
Pasco	1	5.4	1	5.4				
Garfield								
Grant								
Moses Lake								
Grays Harbor								
Aberdeen								
Island								
Oak Harbor								
Jefferson								
King	119	8.6	117	8.5	2	.1		
Auburn								
Bellevue	1	1.2	1	1.2				
Des Moines								
Kent								
Kirkland	2	10.3	2	10.3				
Mercer Island								
Redmond	2	6.6	2	6.6				
Renton	3	8.5	3	8.5				
Seattle	111	22.6	109	22.2	2	.4		
Kitsap	1	.6	1	.6				
Bremerton								
Kittitas	1	4.0	1	4.0				
Ellensburg	1	8.7	1	8.7				
Klickitat								
Lewis								
Centralia								
Lincoln								
Mason								
Okanogan								
Pacific								
Pend Oreille								
Pierce	11	2.0	9	1.7	2	.4		
Puyallup								
Tacoma	10	6.3	9	5.7	1	.6		
San Juan								
Skagit	2	2.9	2	2.9				
Anacortes	1	9.8	1	9.8				
Mount Vernon	1	6.9	1	6.9				
Skamania								
Snohomish	6	1.5	6	1.5				
Edmonds								
Everett	2	3.3	2	3.3				
Lynnwood								
Mountlake Terrace								
Spokane	7	2.0	7	2.0				
Spokane (city)	6	3.5	6	3.5				
Stevens								
Thurston	1	.7	1	.7				
Lacey								
Olympia	1	3.4	1	3.4				
Wahkiakum								
Walla Walla	1	2.1	1	2.1				
Walla Walla (city)	1	3.9	1	3.9				
Whatcom	3	2.6	3	2.6				
Bellingham	3	6.5	3	6.5				
Whitman								
Pullman								
Yakima								
Yakima (city)								

[1] Rates per 100,000 estimated population.

Table 18

Deaths with Rates[1] by External Causes by Place of Occurrence, Washington State 1987

	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
County and City	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	1,684	37.6	851	19.0	260	5.8	121	2.7	59	1.3	393	8.8
Adams	8	42.9	3	21.4	2	14.3					1	7.1
Asotin	7	40.7	2	11.6	3	17.4	1	5.8			1	5.8
Benton	32	30.7	19	18.3	3	2.9	3	2.9			7	6.7
Kennewick	12	32.2	7	18.8	1	2.7	2	5.4			2	5.4
Richland	12	39.6	6	19.8	2	6.6					4	13.2
Chelan	56	115.0	27	55.4	9	18.5	6	12.3	1	2.1	13	26.7
Wenatchee	29	156.9	14	75.8	6	32.5	1	5.4			8	43.3
Clallam	21	39.3	11	20.6	2	3.7	2	3.7			6	11.2
Port Angeles	11	63.7	6	34.8	2	11.6	1	5.8			2	11.6
Clark	33	15.7	16	7.6	6	2.9	4	1.9			7	3.3
Vancouver	24	55.3	10	23.0	6	13.8	2	4.6			6	13.8
Columbia	4	97.6	3	73.2	1	24.4						
Cowlitz	34	42.9	21	26.5	5	6.3	2	2.5	1	1.3	5	6.3
Kelso	3	28.0	2	18.7	1	9.3						
Longview	24	81.3	14	47.4	4	13.6	1	3.4	1	3.4	4	13.6
Douglas	7	29.8	5	21.3			2	8.5				
Ferry	4	66.7	3	50.0							1	16.7
Franklin	20	56.3	13	36.6			2	5.6	1	2.8	4	11.3
Pasco	13	70.2	9	48.6			1	5.4			3	16.2
Garfield	7	291.7	7	291.7								
Grant	28	53.7	13	25.0	1	1.9	8	15.4	3	5.8	3	5.8
Moses Lake	9	84.9	5	47.2	1	9.4	2	18.9			1	9.4
Grays Harbor	30	47.6	22	34.9	2	3.2	1	1.6			5	7.9
Aberdeen	14	82.4	8	47.1	2	11.8	1	5.9			3	17.6
Island	12	23.0	7	13.4			1	1.9	2	3.8	2	3.8
Oak Harbor	1	7.2	1	7.2								
Jefferson	15	82.9	8	44.2	1	5.5	2	11.0	1	5.5	3	16.6
King	452	32.6	202	14.6	96	6.9	18	1.3	18	1.3	118	8.5
Auburn	11	36.4	4	13.2	2	6.6			1	3.3	4	13.2
Bellevue	23	28.0	8	9.7	8	9.7	2	2.4			5	6.1
Des Moines	5	36.3	3	21.8	1	7.3					1	7.3
Kent	6	19.9	5	16.6							1	3.3
Kirkland	12	61.8	6	30.9	4	20.6					2	10.3
Mercer Island	1	4.8					1	4.8				
Redmond	7	23.1	3	9.9	2	6.6			1	3.3	1	3.3
Renton	11	31.1	6	17.0	2	5.7					3	8.5
Seattle	327	66.6	144	29.3	67	13.6	15	3.1	15	3.1	86	17.5
Kitsap	40	23.7	24	14.2	5	3.0	1	.6	1	.6	9	5.3
Bremerton	15	46.3	4	12.3	4	12.3	1	3.1	1	3.1	5	15.4
Kittitas	20	79.7	15	59.8	2	8.0			1	4.0	2	8.0
Ellensburg	9	78.3	6	52.2	1	8.7					2	17.4
Klickitat	12	72.7	6	36.4			2	12.1	2	12.1	2	12.1
Lewis	37	64.8	23	40.3	5	8.8			4	7.0	5	8.8
Centralia	8	67.6	2	16.9	2	16.9			2	16.9	2	16.9
Lincoln	6	61.9	3	30.9			2	20.6			1	10.3
Mason	22	61.1	13	36.1	1	2.8	2	5.6	2	5.6	4	11.1
Okanogan	35	110.8	15	47.5	3	9.5	3	9.5	3	9.5	11	34.8
Pacific	22	127.2	6	34.7	1	5.8	10	57.8	1	5.8	4	23.1
Pend Oreille	6	67.4	4	44.9							2	22.5
Pierce	151	28.1	79	14.7	23	4.3	14	2.6	2	.4	33	6.1
Puyallup	24	121.0	17	85.7	3	15.1	2	10.1	1	5.0	1	5.0
Tacoma	75	47.2	30	18.9	14	8.8	6	3.8	1	.6	24	15.1
San Juan	3	32.6	1	10.9			1	10.9			1	10.9
Skagit	38	54.7	20	28.8	6	8.6	3	4.3	2	2.9	7	10.1
Anacortes	6	59.1	3	29.5	2	19.7					1	9.8
Mount Vernon	18	125.0	9	62.5	3	20.8	2	13.9	1	6.9	3	20.8
Skamania	6	76.9					2	25.6			4	51.3
Snohomish	132	33.5	65	16.5	24	6.1	7	1.8	5	1.3	31	7.9
Edmonds	18	63.6	6	21.2	9	31.8					3	10.6
Everett	55	91.5	31	51.6	10	16.6	2	3.3	1	1.7	11	18.3
Lynnwood	3	12.4					1	4.1			2	8.2
Mountlake Terrace												
Spokane	153	43.0	70	19.7	27	7.6	9	2.5	4	1.1	43	12.1
Spokane (city)	138	80.2	65	37.8	27	15.7	9	5.2	3	1.7	34	19.8
Stevens	16	53.0	8	26.5			2	6.6			6	19.9
Thurston	45	30.9	22	15.1	6	4.1	2	1.4	1	.7	14	9.6
Lacey	4	25.3			2	12.6			1	6.3	1	6.3
Olympia	36	121.6	20	67.6	4	13.5	2	6.8			10	33.8
Wahkiakum												
Walla Walla	29	60.0	16	33.1	6	12.4	1	2.1			6	12.4
Walla Walla (city)	25	98.3	14	55.1	5	19.7	1	3.9			5	19.7
Whatcom	51	43.5	24	20.5	7	6.0	4	3.4			16	13.7
Bellingham	31	66.9	15	32.4	6	12.9	2	4.3			8	17.3
Whitman	8	20.4	4	10.2	1	2.6	1	2.6			2	5.1
Pullman	3	13.5	1	4.5	1	4.5					1	4.5
Yakima	84	45.6	51	27.7	12	6.5	3	1.6	4	2.2	14	7.6
Yakima (city)	41	82.7	22	44.4	9	18.1	1	2.0	1	2.0	8	16.1

[1] Rates per 100,000 estimated population.

Table 19

Deaths With Rates[1] by External Causes by Place of Occurrence, Washington State 1987

County and City	Suicide		Homicide		Undetermined External Injuries	
	Number	Rate	Number	Rate	Number	Rate
State Total	710	15.8	254	5.7	115	2.6
Adams			2	14.3		
Asotin						
Benton	6	5.8	4	3.8	3	2.9
Kennewick	3	8.0	4	10.7	2	5.4
Richland	2	6.6			1	3.3
Chelan	9	18.5	4	8.2		
Wenatchee	6	32.5	3	16.2		
Clallam	24	44.9	1	1.9		
Port Angeles	16	92.7				
Clark	32	15.2	7	3.3	4	1.9
Vancouver	25	57.6	7	16.1	3	6.9
Columbia						
Cowlitz	13	16.4	2	2.5	1	1.3
Kelso	2	18.7				
Longview	8	27.1				
Douglas	4	17.0				
Ferry					3	50.0
Franklin	2	5.6	11	31.0	1	2.8
Pasco	2	10.8	8	43.2	1	5.4
Garfield						
Grant	10	19.2	3	5.8		
Moses Lake	4	37.7				
Grays Harbor	11	17.5	5	7.9	1	1.6
Aberdeen	3	17.6	3	17.6	1	5.9
Island	13	25.0	3	5.8	1	1.9
Oak Harbor	5	35.8				
Jefferson	2	11.0				
King	190	13.7	94	6.8	48	3.5
Auburn	8	26.4	1	3.3		
Bellevue	13	15.8	2	2.4	1	1.2
Des Moines	3	21.8	2	14.5		
Kent	10	33.2	3	10.0		
Kirkland	5	25.7				
Mercer Island					1	4.8
Redmond	3	9.9				
Renton	7	19.8	3	8.5	1	2.8
Seattle	113	23.0	70	14.2	42	8.5
Kitsap	28	16.6	3	1.8	3	1.8
Bremerton	18	55.6	2	6.2	1	3.1
Kittitas	10	39.8			1	4.0
Ellensburg	4	34.8			1	8.7
Klickitat	2	12.1	1	6.1	1	6.1
Lewis	5	8.8			1	1.8
Centralia	2	16.9			1	8.5
Lincoln	2	20.6				
Mason	6	16.7			2	5.6
Okanogan	8	25.3	1	3.2	1	3.2
Pacific	5	28.9			1	5.8
Pend Oreille					1	11.2
Pierce	109	20.3	36	6.7	15	2.8
Puyallup	9	45.4	1	5.0	2	10.1
Tacoma	71	44.7	30	18.9	11	6.9
San Juan	3	32.6	1	10.9	1	10.9
Skagit	16	23.0	5	7.2		
Anacortes	1	9.8				
Mount Vernon	5	34.7	3	20.8		
Skamania	3	38.5	4	51.3	1	12.8
Snohomish	54	13.7	8	2.0	8	2.0
Edmonds	4	14.1			1	3.5
Everett	18	30.0	3	5.0	3	5.0
Lynnwood	4	16.5			1	4.1
Mountlake Terrace	2	12.5			1	6.2
Spokane	56	15.7	21	5.9	9	2.5
Spokane (city)	50	29.1	20	11.6	8	4.6
Stevens	10	33.1	3	9.9		
Thurston	24	16.5	1	.7		
Lacey	2	12.6				
Olympia	21	70.9	1	3.4		
Wahkiakum						
Walla Walla	6	12.4	5	10.4	1	2.1
Walla Walla (city)	5	19.7	3	11.8	1	3.9
Whatcom	17	14.5	5	4.3		
Bellingham	8	17.3	3	6.5		
Whitman	7	17.9	1	2.6		
Pullman	4	18.0	1	4.5		
Yakima	23	12.5	23	12.5	7	3.8
Yakima (city)	16	32.3	12	24.2	5	10.1

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[1] Rates per 100,000 estimated population.

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Table 20

Deaths by Type of Place by Place of Occurrence, Washington State 1987

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead On Arrival	Other and Not Specified
State Total	35,190	15,539	9,060	7,904	955	32	1	40	1,659
Adams	89	41	30	12					6
Asotin	142	36	71	33					2
Benton	649	321	120	181					27
Kennewick	295	118	66	97					14
Richland	256	176	30	45					5
Chelan	579	332	135	75					37
Wenatchee	438	295	85	46					12
Clallam	521	187	159	145				2	28
Port Angeles	339	162	80	83				1	13
Clark	1,320	486	384	371	25			3	51
Vancouver	1,122	486	300	275	25			3	33
Columbia	33	10	10	9					4
Cowlitz	748	303	246	122				1	76
Kelso	33		2	26					5
Longview	649	303	221	70					55
Douglas	72		34	28				2	8
Ferry	30	13	4	7					6
Franklin	205	95	24	63					23
Pasco	189	95	24	55					15
Garfield	24	5	6	3				2	8
Grant	308	160	51	70					27
Moses Lake	129	67	29	22					11
Grays Harbor	591	233	200	122				1	35
Aberdeen	394	218	109	54				1	12
Island	292	64	87	116	1			1	23
Oak Harbor	64	1	22	36					5
Jefferson	148	53	46	36					13
King	11,139	5,427	2,515	2,451	279	2	1	9	455
Auburn	360	167	90	85					18
Bellevue	533	322	68	131				1	11
Des Moines	202	1	165	25					11
Kent	136		5	108					23
Kirkland	408	201	123	71		2			11
Mercer Island	92		60	29					3
Redmond	226	136	38	46					6
Renton	563	304	130	110					19
Seattle	7,815	4,189	1,522	1,546	278		1	7	272
Kitsap	1,047	361	287	302	28			5	64
Bremerton	675	360	154	142				1	18
Kittitas	199	53	58	58				2	28
Ellensburg	149	53	51	35				2	8
Klickitat	109	45	23	28					13
Lewis	492	242	128	94				1	27
Centralia	232	105	96	30					1
Lincoln	88	30	30	21					7
Mason	213	73	47	73					20
Okanogan	283	115	88	52					28
Pacific	208	76	63	42					27
Pend Oreille	63	32	9	12					10
Pierce	4,156	1,732	1,008	926	351	14		4	121
Puyallup	645	352	197	83				2	11
Tacoma	2,894	1,375	743	601	106	8		2	59
San Juan	56		11	38					7
Skagit	698	317	191	151					39
Anacortes	168	64	68	30					6
Mount Vernon	276	139	64	58					15
Skamania	32		1	17					14
Snohomish	2,447	971	704	669				5	98
Edmonds	429	257	86	81				2	3
Everett	1,063	620	224	201					18
Lynnwood	168	2	81	76					9
Mountlake Terrace	37			33					4
Spokane	3,635	1,834	905	572	201	16		1	106
Spokane (city)	3,419	1,814	817	508	190			1	89
Stevens	193	57	58	59					19
Thurston	1,143	483	346	276				1	37
Lacey	156		114	38					4
Olympia	858	483	185	171					19
Wahkiakum	18		12	4					2
Walla Walla	594	241	182	87	70				14
Walla Walla (city)	522	241	137	64	70				10
Whatcom	908	270	328	243					67
Bellingham	710	270	251	159					30
Whitman	163	49	62	45					7
Pullman	54	24	16	12					2
Yakima	1,555	792	397	291					75
Yakima (city)	1,125	676	261	167					21

Table 21

Infant Mortality by Age and Sex by Cause, Washington State Residents 1987

Cause and International List Number	Total		Under 1 Day		1 Day-Under 7 Days		7 Days-Under 28 Days		28 Days-Under 3 MO.		3 Mo.-Under 6 Mo.		6 Mo.-Under 9 Mo.		9 Mo.-Under 12 Mo.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total All Causes	404	277	106	84	57	31	48	39	93	58	66	38	22	15	12	12
All Infective and Parasitic Diseases (000-139)	5	7		1				2	1	2	2	1	2	1		
Malignant Neoplasms (140-208,230-234)	2						1				1					
Meningitis (320,322)	4	1							2				1		1	1
Diseases of the Circulatory System (390-459)	10	5	1		1		1		4	2	3	2				1
Pneumonia and Influenza (480-487)	3	3				1		1	1	1	1		1			
Other Diseases of Respiratory System (510-519)	1	2		1							1	1				
Hernia and Intestinal Obstruction (550-553,560)	1		1													
Congenital Anomalies (740-759)	80	73	23	31	25	9	9	8	10	10	7	7	4	4	2	4
Anencephalus (740)	4	6	3	6	1											
Spina Bifida and Meningocele (741)																
Other Anomalies of the Central Nervous System (742)	6	6	1	2	1	1			1		3	1		1		1
Anomalies of the Heart (745-746)	33	21	5	2	12	3	6	5	4	8	2	1	2	1	2	1
Other Anomalies of Circulatory System (747)	2	3		1	2	1		1								
Anomalies of the Respiratory System (748)	8	6	2	4	3				1			1	2	1		
Anomalies of the Digestive System (749-751)		4						1				1				2
Anomalies of the Genitourinary System (752-753)	9	6	7	4	1	1	1							1		
Anomalies of the Musculoskeletal System (754-756)	4	7	1	5		2	1		1		1					
Chromosomal Anomalies (758)	9	10	2	6	3		1	1	2	1	1	2				
Other Congenital Anomalies	5	4	2	1	2	1			1	1		1				
Certain Diseases of Early Infancy (760-779)	159	98	80	49	30	19	28	20	10	6	5	1	5	1	1	2
Maternal Diseases Affecting Child (760)	1	1			1	1										
Complications of Pregnancy Affecting Child (761-762)	24	16	20	15	1	1	2		1							
Birth Injuries (763,767-769)	62	32	26	8	15	8	15	10	4	4	1	1	1			1
Other Diseases Peculiar to Early Infancy	72	49	34	26	13	9	11	10	5	2	4		4	1	1	1
Sudden Infant Death Syndrome (7980)	115	67				1	7	7	58	34	42	20	6	5	2	
All Other Diseases (000-799)	13	13	1	2	1	1		1	4	2	3	2	1	3	3	2
All Accidents (E800-E949)	10	5					2		2		1	3	2		3	2
Motor Vehicle Accidents (E810-E825)	1	1										1			1	
Accidental Drowning and Submersion (E910)	1	2													1	2
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	1	1	1	1												
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	2	1	1	1	1											
All Other Accidents	5		1	2		1		1								
Homicide (E963-E968)	1	3		1	1		1		1							
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)																

Table 22

Matched Infant Deaths by Race at Birth by Place of Residence, Washington State 1987[1]

County and City	Total	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chinese	Filipino	Other Asian	Other	Unknown
State Total	680	523	57	12	33	1	3	4	32		15
Adams	2	1		1							
Asotin	8	8									
Benton	17	15		1					1		
Kennewick	10	9							1		
Richland	6	6									
Chelan	10	9	1								
Wenatchee	6	5	1								
Clallam	14	9			5						
Port Angeles	4	4									
Clark	16	12	2		1				1		
Vancouver	5	3			1				1		
Columbia											
Cowlitz	9	8			1						
Kelso	3	3									
Longview	3	3									
Douglas	2	2									
Ferry	1	1									
Franklin	2	1					1				
Pasco	2	1					1				
Garfield											
Grant	10	8		2							
Moses Lake	4	4									
Grays Harbor	12	11			1						
Aberdeen	4	4									
Island	4	2	1								1
Oak Harbor	2		1								1
Jefferson	2	2									
King	188	135	25		6	1	2	3	10		6
Auburn	4	3									1
Bellevue	11	8	1						2		
Des Moines											
Kent	7	6									1
Kirkland	2	2									
Mercer Island											
Redmond	3	3									1
Renton	11	10						1			
Seattle	80	43	21		5	1	1	2	5		2
Kitsap	27	22	1		1				1		2
Bremerton	12	8	1		1				1		1
Kittitas	4	4									
Ellensburg	3	3									
Klickitat	2	2									
Lewis	8	7									1
Centralia	1	1									
Lincoln											
Mason	3	2			1						
Okanogan	7	4		1	2						
Pacific											
Pend Oreille											
Pierce	109	73	19		5			1	11		
Puyallup	4	4									
Tacoma	47	27	11		3				6		
San Juan											
Skagit	13	11							1		1
Anacortes	1								1		
Mount Vernon	2	2									
Skamania											
Snohomish	73	67	2		2				2		
Edmonds	2	1							1		
Everett	22	20	2								
Lynnwood	7	7									
Mountlake Terrace	5	5									
Spokane	64	54	4		2				3		1
Spokane (city)	36	28	3		2				2		1
Stevens	3	3									
Thurston	13	11	1						1		
Lacey	2	1							1		
Olympia	3	3									
Wahkiakum											
Walla Walla	11	9		1					1		
Walla Walla (city)	7	5		1					1		
Whatcom	18	13			2						3
Bellingham	6	4									2
Whitman	4	4									
Pullman	2	2									
Yakima	24	13	1	6	4						
Yakima (city)	6	4	1	1							

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[1] Tables prior to data year 1987 use infant's race at death.

Table 23

Infant Mortality by Leading Causes by Place of Residence, Washington State 1987

County and City	Total All Causes	Birth Injuries	Other Causes of Mortality in Early Infancy	Congenital Malformations	Influenza and Pneumonia	All Accidents	Sudden Infant Death	All Other Causes
State Total	581	94	163	153	6	15	182	68
Adams	2			2				
Asotin	8	2	1				3	2
Benton	17	1		8			2	6
Kennewick	10	1		5			1	3
Richland	6			2			1	3
Chelan	10	1		2		2	3	2
Wenatchee	6	1		1		1	1	2
Clallam	14	1	4	4			4	1
Port Angeles	4	1	1	2				
Clark	16	3	3	3		1	4	2
Vancouver	5		1	2			2	
Columbia								
Cowlitz	9		1	2			4	2
Kelso	3		1	1			1	
Longview	3			1			1	1
Douglas	2						1	1
Ferry	1		1					
Franklin	2			1			1	
Pasco	2			1			1	
Garfield								
Grant	10	3	2	3			2	
Moses Lake	4	1	1	1			1	
Grays Harbor	12	2	2	4			4	
Aberdeen	4			3			1	
Island	4			2			1	1
Oak Harbor	2						1	1
Jefferson	2		1				1	
King	188	27	49	41	2	6	49	14
Auburn	4			1			2	1
Bellevue	11	1	3	3			4	
Kent	7	2	2	2			1	
Kirkland	2						1	1
Mercer Island								
Redmond	3		2	1				
Renton	11		2	6			2	1
Seattle	80	12	25	13	1	2	19	8
Kitsap	27	4	5	6			4	8
Bremerton	12	1	2	1			3	5
Kittitas	4	1					2	1
Ellensburg	3	1					1	1
Klickitat	2		2					
Lewis	8	3	2	2				1
Centralia	1			1				
Lincoln								
Mason	3		2			1		
Okanogan	7		4	1			2	
Pacific								
Pend Oreille								
Pierce	110	18	27	26	1	2	27	9
Puyallup	4	1	1	2				
Tacoma	48	12	9	10			14	3
San Juan								
Skagit	13	1	6	4			2	
Mount Vernon	2		1				1	
Skamania								
Snohomish	73	10	19	9	1	1	28	5
Edmonds	2			1			1	
Everett	22	4	4	4	1		7	2
Lynnwood	7		4	1			2	
Mountlake Terrace	5		3	1			1	
Spokane	64	8	17	15		1	18	5
Spokane (city)	36	2	13	8			10	3
Stevens	3	1		2				
Thurston	13		5	3			4	1
Lacey	2		2					
Olympia	3			1			2	
Wahkiakum								
Walla Walla	11	2	2	1	2		2	2
Walla Walla (city)	7	1	2	1	2			1
Whatcom	18	4	3	5		1	5	
Bellingham	6	2	2				2	
Whitman	4			2			1	1
Pullman	2			1				1
Yakima	24	2	5	5			8	4
Yakima (city)	6		2	2				2

Table 24

Matched Infant Deaths by Mother's Age Group by Place of Residence, Washington State 1987[1]

County and City	Total[2]	Under 15	15–19	20–24	25–29	30–34	35–39	40–44	45 and Over	Age Unknown
State Total	680	10	96	212	201	119	26	8	1	7
Adams	2	–	1	1	–	–	–	–	–	–
Asotin	8	–	3	1	4	–	–	–	–	–
Benton	17	–	1	9	5	2	–	–	–	–
Kennewick	10	–	1	8	–	1	–	–	–	–
Richland	6	–	–	1	4	1	–	–	–	–
Chelan	10	1	1	5	2	1	–	–	–	–
Wenatchee	6	1	–	4	–	1	–	–	–	–
Clallam	14	1	1	5	1	4	–	2	–	–
Port Angeles	4	–	–	3	–	1	–	–	–	–
Clark	16	1	–	3	5	6	–	–	1	–
Vancouver	5	–	–	1	1	2	–	–	1	–
Columbia	–	–	–	–	–	–	–	–	–	–
Cowlitz	9	–	1	[illegible]	3	2	–	–	–	–
Kelso	3	–	–	–	2	1	–	–	–	–
Longview	3	–	1	1	1	–	–	–	–	–
Douglas	2	–	–	1	1	–	–	–	–	–
Ferry	1	–	–	–	–	1	–	–	–	–
Franklin	2	–	–	1	–	1	–	–	–	–
Pasco	2	–	–	1	–	1	–	–	–	–
Garfield	–	–	–	–	–	–	–	–	–	–
Grant	10	1	1	3	2	2	–	1	–	–
Moses Lake	4	–	–	1	2	1	–	–	–	–
Grays Harbor	12	–	3	4	2	1	2	–	–	–
Aberdeen	4	–	1	2	1	–	–	–	–	–
Island	4	–	–	2	2	–	–	–	–	–
Oak Harbor	2	–	–	1	1	–	–	–	–	–
Jefferson	2	–	–	1	–	1	–	–	–	–
King	188	1	18	50	61	36	14	2	–	6
Auburn	4	–	1	–	1	1	–	–	–	1
Bellevue	11	–	1	1	4	3	1	–	–	1
Kent	7	–	–	4	3	–	–	–	–	–
Kirkland	2	–	–	1	–	1	–	–	–	–
Redmond	3	–	–	1	1	–	1	–	–	–
Renton	11	–	1	4	3	3	–	–	–	–
Seattle	80	1	9	19	21	19	7	1	–	3
Kitsap	27	–	4	7	11	3	2	–	–	–
Bremerton	12	–	1	4	5	1	1	–	–	–
Kittitas	4	–	1	2	1	–	–	–	–	–
Ellensburg	3	–	–	2	1	–	–	–	–	–
Klickitat	2	–	–	–	2	–	–	–	–	–
Lewis	8	–	2	3	1	1	–	–	–	1
Centralia	1	–	1	–	–	–	–	–	–	–
Lincoln	–	–	–	–	–	–	–	–	–	–
Mason	3	–	–	2	1	–	–	–	–	–
Okanogan	7	–	3	1	1	1	1	–	–	–
Pacific	–	–	–	–	–	–	–	–	–	–
Pend Oreille	–	–	–	–	–	–	–	–	–	–
Pierce	109	2	19	39	26	17	6	–	–	–
Puyallup	4	–	–	2	1	1	–	–	–	–
Tacoma	47	1	10	15	11	8	2	–	–	–
San Juan	–	–	–	–	–	–	–	–	–	–
Skagit	13	–	3	5	2	3	–	–	–	–
Anacortes	1	–	–	–	1	–	–	–	–	–
Mount Vernon	2	–	1	1	–	–	–	–	–	–
Skamania	–	–	–	–	–	–	–	–	–	–
Snohomish	73	1	9	20	22	19	1	1	–	–
Edmonds	2	–	–	–		1	1	–	–	–
Everett	22	–	5	11	3	3	–	–	–	–
Lynnwood	7	1	–	–	4	2	–	–	–	–
Mountlake Terrace	5	–	1	–	1	3	–	–	–	–
Spokane	64	1	7	23	22	10	–	1	–	–
Spokane (city)	36	1	4	14	10	6	–	1	–	–
Stevens	3	–	1	–	1	–	–	1	–	–
Thurston	13	–	2	5	6	–	–	–	–	–
Lacey	2	–	1	1	–	–	–	–	–	–
Olympia	3	–	–	1	2	–	–	–	–	–
Wahkiakum	–	–	–	–	–	–	–	–	–	–
Walla Walla	11	–	3	4	3	1	–	–	–	–
Walla Walla (city)	7	–	1	3	2	1	–	–	–	–
Whatcom	18	–	3	6	2	7	–	–	–	–
Bellingham	6	–	2	3	1	–	–	–	–	–
Whitman	4	–	–	2	2	–	–	–	–	–
Pullman	2	–	–	1	1	–	–	–	–	–
Yakima	24	1	9	4	10	–	–	–	–	–
Yakima (city)	6	–	3	1	2	–	–	–	–	–

[1] Deaths are matched with births to find mother's age. Residence is the infant's at the time of death.

[2] Some totals are inconsistent with other tables in this report due to late corrections. The state, county, and city totals herein are considered more correct.

Table 25

Fetal, Perinatal, Neonatal and Infant Mortality by Place of Residence, Washington State 1987

County and City	Fetal Deaths		Perinatal Mortality[2]		Neonatal Mortality		Infant Mortality	
	Number	Ratio[1]	Number	Rate[3]	Number	Rate[4]	Number	Rate[4]
State Total	411	5.8	689	9.7	365	5.2	681	9.7
Adams	2	7.2	4	14.4	2	7.2	2	7.2
Asotin			3	13.1	3	13.1	8	34.9
Benton	10	5.5	17	9.3	9	4.9	17	9.3
Kennewick	5	6.3	10	12.4	6	7.5	10	12.5
Richland	1	2.2	2	4.4	2	4.4	6	13.3
Chelan	7	8.7	8	9.9	2	2.5	10	12.4
Wenatchee	4	11.5	5	14.2	1	2.9	6	17.2
Clallam	5	6.5	11	14.3	7	9.2	14	18.3
Port Angeles			2	7.0	2	7.0	4	14.0
Clark	10	3.0	17	5.2	9	2.7	16	4.9
Vancouver	3	2.1	6	4.3	4	2.9	5	3.6
Columbia	1	20.8	1	20.4				
Cowlitz	6	5.1	8	6.8	3	2.5	9	7.6
Kelso			1	4.5	2	9.0	3	13.6
Longview	1	2.1	2	4.1	1	2.1	3	6.2
Douglas	3	8.7	3	8.7			2	5.8
Ferry	1	14.1	2	27.8	1	14.1	1	14.1
Franklin	6	8.1	6	8.0	1	1.3	2	2.7
Pasco	3	6.5	3	6.4	1	2.2	2	4.3
Garfield								
Grant	8	8.6	12	12.7	6	6.4	10	10.7
Moses Lake	2	9.4	3	14.0	3	14.1	4	18.8
Grays Harbor	4	4.4	9	9.9	7	7.8	12	13.3
Aberdeen	3	12.6	5	20.7	2	8.4	4	16.7
Island	7	7.7	9	9.8	2	2.2	4	4.4
Oak Harbor	5	12.8	5	12.7			2	5.1
Jefferson	3	13.8	4	18.2	1	4.6	2	9.2
King	107	5.2	188	9.2	105	5.1	188	9.2
Auburn	3	5.7	4	7.6	1	1.9	4	7.6
Bellevue	6	6.6	11	12.1	6	6.6	11	12.2
Kent	5	9.5	9	16.9	5	9.5	7	13.3
Kirkland	4	12.7	5	15.6	1	3.2	2	6.3
Mercer Island	2	13.5	2	13.3				
Redmond	2	4.5	4	9.0	3	6.8	3	6.8
Renton	4	6.2	10	15.4	6	9.3	11	17.0
Seattle	53	7.7	93	13.4	52	7.6	80	11.6
Kitsap	19	6.8	34	12.0	17	6.1	27	9.6
Bremerton	5	5.6	10	11.2	6	6.8	12	13.5
Kittitas	2	7.0	3	10.5	1	3.5	4	14.1
Ellensburg			1	7.7	1	7.7	3	23.1
Klickitat			2	9.3	2	9.3	2	9.3
Lewis	2	2.4	5	5.9	4	4.8	8	9.5
Centralia	1	4.4	1	4.4			1	4.4
Lincoln								
Mason	5	10.5	7	14.5	3	6.3	3	6.3
Okanogan	3	5.6	5	9.3	6	11.3	7	13.2
Pacific	1	4.5	1	4.4				
Pend Oreille	1	9.2	1	9.1				
Pierce	71	7.4	110	11.3	56	5.8	110	11.4
Puyallup			4	11.4	4	11.4	4	11.4
Tacoma	33	10.0	49	14.7	25	7.6	48	14.6
San Juan								
Skagit	5	4.7	15	14.1	10	9.4	13	12.3
Mount Vernon	2	7.5	3	11.2	1	3.7	2	7.5
Skamania								
Snohomish	33	4.9	59	8.6	32	4.7	73	10.7
Edmonds	7	17.2	8	19.4	1	2.5	2	4.9
Everett	5	3.6	12	8.7	11	8.0	22	16.0
Lynnwood	2	3.7	6	11.1	4	7.4	7	13.0
Mountlake Terrace	1	3.4	5	17.1	4	13.7	5	17.2
Spokane	34	6.3	64	11.8	36	6.7	64	11.9
Spokane (city)	23	7.8	41	13.8	21	7.1	36	12.2
Stevens	4	9.4	5	11.7	3	7.1	3	7.1
Thurston	18	8.3	23	10.5	8	3.7	13	6.0
Lacey	4	18.7	5	22.9	2	9.3	2	9.3
Olympia	4	6.1	5	7.5	2	3.0	3	4.5
Wahkiakum								
Walla Walla	2	3.1	4	6.3	5	7.9	11	17.3
Walla Walla (city)	1	2.4	3	7.3	4	9.7	7	17.0
Whatcom	10	6.3	17	10.6	11	6.9	18	11.3
Bellingham	4	6.3	6	9.4	4	6.3	6	9.5
Whitman	2	5.2	3	7.8	2	5.2	4	10.4
Pullman	1	4.6	1	4.6	1	4.6	2	9.2
Yakima	19	5.5	29	8.4	11	3.2	24	7.0
Yakima (city)	5	5.1	9	9.1	4	4.1	6	6.1

[1] Ratio per 1,000 live births
[2] Fetal deaths plus liveborn infants dying at 6 days and under
[3] Rate per 1,000 live births plus fetal deaths
[4] Rate per 1,000 live births

Table 26

Fetal, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, Washington State 1987

County and City	Fetal Deaths		Perinatal Mortality[2]		Neonatal Mortality		Infant Mortality	
	Number	Ratio[1]	Number	Rate[3]	Number	Rate[4]	Number	Rate[4]
State Total	413	6.0	699	10.0	379	5.5	686	9.9
Adams	3	10.4	3	10.3				
Asotin							3	3000.0
Benton	11	5.1	14	6.4	4	1.9	11	5.1
Kennewick	4	5.0	4	4.9	1	1.2	4	5.0
Richland	6	5.7	9	8.6	3	2.9	6	5.7
Chelan	9	7.8	10	8.5	2	1.7	8	6.9
Wenatchee	8	7.4	9	8.3	1	.9	6	5.5
Clallam	3	3.9	5	6.5	2	2.6	7	9.2
Port Angeles	3	4.5	5	7.4	2	3.0	4	6.0
Clark	7	3.1	10	4.5	4	1.8	8	3.6
Vancouver	6	2.7	9	4.1	4	1.8	7	3.2
Columbia								
Cowlitz	7	5.7	8	6.5	2	1.6	6	4.9
Longview	7	5.7	8	6.5	2	1.6	6	4.9
Douglas								
Ferry								
Franklin	5	8.9	5	8.8			2	3.6
Pasco	5	8.9	5	8.9			2	3.6
Garfield								
Grant	5	6.6	6	7.8	2	2.6	7	9.2
Moses Lake	4	6.7	4	6.7			3	5.0
Grays Harbor	3	5.1	4	6.7	1	1.7	5	8.5
Aberdeen	2	3.5	3	5.2	1	1.7	4	6.9
Island	5	6.4	6	7.7	1	1.3	2	2.6
Jefferson	2	11.9	2	11.8			2	11.9
King	133	5.8	272	11.9	188	8.3	304	13.3
Auburn	2	3.6	2	3.6			3	5.4
Bellevue	9	3.9	11	4.8	2	.9	5	2.2
Kent							9	300.0
Kirkland	4	2.3	5	2.9	1	.6	5	2.9
Redmond	4	2.8	5	3.5	1	.7	1	.7
Renton	10	3.9	14	5.4	4	1.5	8	3.1
Seattle	101	7.6	231	17.2	178	13.3	262	19.6
Kitsap	16	6.5	20	8.1	5	2.0	10	4.1
Bremerton	12	6.8	13	7.4	1	.6	3	1.7
Kittitas	2	8.0	2	7.9			3	12.0
Ellensburg	2	8.0	2	7.9			3	12.0
Klickitat								
Lewis	2	2.3	3	3.4	1	1.1	2	2.3
Centralia	1	2.6	1	2.5				
Lincoln								
Mason	2	7.8	2	7.8	1	3.9	1	3.9
Okanogan	3	5.6	4	7.5	1	1.9	3	5.6
Pacific								
Pend Oreille								
Pierce	75	7.1	122	11.5	61	5.8	104	9.9
Puyallup	6	4.6	9	6.9	3	2.3	4	3.1
Tacoma	52	8.1	82	12.7	42	6.6	72	11.2
San Juan								
Skagit	6	4.5	7	5.3	1	.8	4	3.0
Mount Vernon	4	4.8	4	4.8			2	2.4
Skamania								
Snohomish	25	5.3	35	7.4	10	2.1	42	8.9
Edmonds	13	8.9	19	12.9	6	4.1	8	5.5
Everett	11	4.0	14	5.1	3	1.1	20	7.3
Lynnwood							6	500.0
Mountlake Terrace							1	200.0
Spokane	42	6.9	93	15.2	70	11.5	104	17.1
Spokane (city)	41	7.2	92	16.1	70	12.3	104	18.3
Stevens	2	8.0	2	7.9				
Thurston	14	6.9	17	8.3	4	2.0	11	5.4
Olympia	14	6.9	17	8.4	4	2.0	8	4.0
Wahkiakum								
Walla Walla	4	4.5	6	6.8	4	4.5	8	9.1
Walla Walla (city)	4	4.6	6	6.8	4	4.6	8	9.1
Whatcom	6	3.9	9	5.8	3	1.9	8	5.2
Bellingham	6	3.9	9	5.9	3	2.0	7	4.6
Whitman	1	2.5	3	7.5	2	5.0	2	5.0
Pullman	1	2.5	3	7.6	2	5.1	2	5.1
Yakima	20	6.0	29	8.6	10	3.0	19	5.7
Yakima (city)	13	5.2	21	8.3	8	3.2	13	5.2

[1] Ratio per 1,000 live births

[2] Fetal deaths plus liveborn infants dying at 6 days and under

[3] Rate per 1,000 live births plus fetal deaths

[4] Rate per 1,000 live births

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Table 27

Fetal Mortality by Sex and Weight, Washington State Residents 1987

Gram Weight	Total	Male	Female	Sex Unknown
State Total	411	217	191	3
1,000 Grams Or Less	163	81	80	2
1,001 - 1,500	36	20	16	
1,501 - 2,000	23	11	12	
2,001 - 2,500	35	16	19	
2,501 - 3,000	29	16	13	
3,001 - 3,500	33	21	12	
3,501 - 4,000	22	13	9	
4,001 - 4,500	8	8	0	
4,501 and Over	8	4	4	
Not Stated	54	27	26	1

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Table 28

Fetal Mortality by Cause, Washington State Residents 1987

Cause with International List Number		Totals
Total All Causes		411
Congenital Anomalies (740-759)		40
Anencephalus (740)	6	
Spina Bifida (741)		
Other Anomalies of the Central Nervous System (742)	5	
Anomalies of the Heart (745-746)	6	
Other Anomalies of Circulatory System (747)	1	
Anomalies of Respiratory System (748)		
Anomalies of Digestive System (749-751)		
Anomalies of the Genitourinary System (752-753)	5	
Anomalies of Musculoskeletal System (754-756)	3	
Chromosomal Anomalies (758)	5	
Other and Unspecified Congenital Anomalies (743-744,757,759)	9	
Certain Causes of Perinatal Morbidity and Mortality (760-779)		368
Maternal Conditions Which May Be Unrelated to Pregnancy (760)		
Chronic Hypertension (760.0)	7	
Maternal Infections (760.2)	3	
Maternal Injury (760.5)	1	
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	3	
Maternal Conditions Related to Pregnancy (761)		
Incompetent Cervix (761.0)	5	
Premature Rupture of Membranes (761.1)	21	
Other Maternal Conditions (761.2-761.9)	7	
Complications of Placenta, Cord, And Membranes (762)		
Complications of Placenta (762.0-762.3)	82	
Complications of Cord (762.4-762.6)	74	
Complications of Membranes (762.7-762.9)	16	
Complications of Labor (763)	3	
Other Complications of Pregnancy and Childbirth (764-767)	20	
Intrauterine Hypoxia (768)	17	
Diseases of the Fetus and Ill-defined Causes (770-779)		
Respiratory Conditions (770)	1	
Infections Specific to the Perinatal Period (771)	2	
Fetal Hemorrhage (772)	3	
Haemolytic Disease and Other Perinatal Jaundice (773-774)		
Endocrine and Metabolic Disturbances (775)	1	
Haematological Disorders (776)		
Disorders of Digestive System (777)		
Conditions Involving the Integument and Temperature Regulation (778)	4	
Other Conditions of Fetus (779)	98	
All Other Causes (001-739,780-799)		3

S02650A-HSB

Table 29

Fetal Deaths by Mother's Age Group by Place of Residence, Washington State 1987

County	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	411	2	19	30	98	117	102	30	2		11
Adams	2			1			1				
Asotin											
Benton	10				4	2	4				
Chelan	7					3	4				
Clallam	5		2				3				
Clark	10		1		3	4	2				
Columbia	1						1				
Cowlitz	6				3	3					
Douglas	3				1	1		1			
Ferry	1						1				
Franklin	6		2	2	1	1					
Garfield											
Grant	8		1		4	2	1				
Grays Harbor	4				1	1	1	1			
Island	7		1	1	3	1					1
Jefferson	3			1		1	1				
King	107	1	4	3	26	28	27	12	2		4
Kitsap	19			3	6	5	5				
Kittitas	2			1		1					
Klickitat											
Lewis	2				1		1				
Lincoln											
Mason	5				1						4
Okanogan	3					1	1	1			
Pacific	1					1					
Pend Oreille	1				1						
Pierce	71	1	2	8	20	17	20	3			
San Juan											
Skagit	5					3	2				
Skamania											
Snohomish	33		3	3	4	11	9	2			1
Spokane	34		1	1	6	9	10	7			
Stevens	4				2	2					
Thurston	18			3	3	5	4	2			1
Wahkiakum											
Walla Walla	2				1	1					
Whatcom	10			1	1	5	3				
Whitman	2					2					
Yakima	19		2	2	6	7	1	1			

INDUCED TERMINATIONS OF PREGNANCY

Table 1
Induced Terminations of Pregnancy by Selected Topics, 1987

A. Residence, Age Group of Patient

Age Group	Number	Percent
All Ages	29,067	100.0%[1]
<15	203	.7
15-17	2,993	10.3
18-19	4,013	13.8
20-24	9,433	32.5
25-29	6,308	21.7
30-34	3,726	12.8
35-39	1,878	6.5
40-44	477	1.3
45+	21	0.1
Unknown	15	—

B. Residence, Gestational Age

Weeks	Number	Percent
Total	29,067	100.0%[1]
1-4	625	2.2
5-8	16,164	55.6
9	3,850	13.2
10	3,162	10.9
11	1,512	5.2
12	1,103	3.8
13-15	1,261	4.3
16-19	983	3.4
20+	387	1.3
Unknown	20	0.1

C. Residence, Number of Previous Abortions

Previous Abortions	Number	Percent
Total	29,067	100.0%[1]
0	14,523	50.0
1	7,562	26.0
2	3,111	10.7
3	1,246	4.3
4	480	1.7
Over 4	353	1.2
Unknown	1,792	6.2

D. Residence, Number of Previous Live Births

Previous Live Births	Number	Percent
Total	29,067	100.0%[1]
0	16,185	55.7
1	5,332	18.3
2	3,911	13.5
3	1,299	4.5
4	374	1.3
Over 4	207	0.7
Unknown	1,759	6.1

E. Residence, Number of Previous Pregnancies

Previous Pregnancies	Number	Percent
Total	29,067	
0	9,112	31.3
1	6,283	21.6
2	4,818	16.6
3	3,233	11.1
4	1,832	6.3
Over 4	1,950	6.7
Unknown	1,839	6.3

F. Residence, Race and Hispanic Origin

Race	Number	Percent
Total	29,067	100.0%[1]
White	18,097	62.3
Black	1,359	4.7
Asian	945	3.3
American Indian	239	0.8
Other	306	1.1
Unknown	8,121	27.9
Hispanic Origin	383	1.3

Table 1 (Continued)
Induced Terminations of Pregnancy by Selected Topics, 1987

G. Residence and Occurrence, Travel Pattern

Residence	Number	Percent	Occurrence	Number	Percent
Total	29,067	100.0[1]	Total	30,172	100.0[1]
Inside Home County	19,148	65.9	County Resident	19,148	63.5
Outside Home County	9,918	34.1	Out-of-County Resident	11,024	36.5

H. Occurrence, Operative Procedure

Procedure	Number	Percent
Total	30,172	100.0%[1]
Suction Curettage	27,480	91.1
Dilatation & Evacuation	2,276	7.5
Saline	259	0.9
Prostaglandin	117	0.4
Sharp Curettage	31	0.1
Hysterectomy/Hysterotomy	5	—
Other	3	—
Unknown	1	—

I. Occurrence, State or Country of Residence

State or Country	Number	Percent
Total	30,172	100.0%[1]
Washington	28,198	93.5
Idaho	438	1.5
Oregon	251	0.8
Alaska	201	0.7
Montana	32	0.1
California	26	0.1
Canada	949	3.1
Other States and Contries	64	2.1
Unknown	13	—

J. Occurrence, Type of Complication

Complication	Number	Percent
Total	318	100.0%[1]
Retained Products	78	24.5
Infection	40	12.6
Hemorrhage >500 cc	25	7.9
Uterine Perforation	11	3.6
Failed Abortion	23	7.2
Cervical Laceration	4	1.3
Other Complications[2]	122	38.4
Multiple Complications	15	4.7

K. Occurrence, Type of Facility

Facility Type	Number	Percent
Total	30,172	100.0%[1]
Hospital	1,269	4.2
Nonhospital	28,903	95.8

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[1] Detail may not add to 100% due to rounding.

[2] Other complications include minor complications, such as unexplained pain (47) and hemorrhage less than 500 cc (48).

Table 2

Induced Abortions, Live Births, and Abortion Ratio with Percent Change Washington State Residents 1974-1987

Year	Induced Abortions[1]	Percent Change	Live Births	Percent Change	Abortion Ratio[2]	Percent Change
1974	16,159		50,096		323	
1975	18,628	+15.3	50,821	+1.4	367	+13.6
1976	20,251	+8.7	53,004	+4.3	382	+4.1
1977	23,938	+18.2	57,256	+8.0	418	+9.4
1978	26,254	+9.7	58,725	+2.6	447	+6.9
1979	26,796	+2.1	64,377	+9.6	416	-6.9
1980	27,947	+4.3	67,857	+5.4	412	-1.0
1981	28,968	+3.7	69,756	+2.8	415	+.7
1982	27,431	-5.3	69,529	-.3	395	-4.8
1983	26,560	-3.2	68,705	-1.2	387	-2.0
1984	26,732	+.6	68,947	+.4	388	+.3
1985	25,835	-3.4	70,226	+1.9	368	-5.2
1986	26,991	+4.5	69,431	-1.1	389	+5.7
1987	29,067	+7.7	70,329	+1.3	413	+6.2

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[1] Resident Abortion figures for 1974 through 1977 are estimates derived from occurrence abortion counts for those years. The occurrence counts were discounted 11.4 percent on the basis of the 1978 ratio of residents to occurrences (i.e., 88.86 percent of the total abortions reported in 1978 were to Washington State residents). Note that these estimates are not the same as those published in the 1978 and 1979 reports.

[2] Number of resident abortions per 1,000 resident live births.

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Table 3

Reported Pregnancies by Age of Patient and Pregnancy Outcome with Percents Washington State Residents, 1987

Age of Patient	Abortions		Fetal Deaths		Live Births		Total Reported Pregnancies
Under 15	203	(65.6%)	2	(.6%)	105	(33.8%)	310
15-17	2,993	(54.5%)	19	(.3%)	2,477	(45.1%)	5,489
18-19	4,013	(45.7%)	30	(.3%)	4,741	(54.0%)	8,784
20-24	9,433	(32.7%)	98	(.3%)	19,324	(67.0%)	28,855
25-29	6,308	(21.5%)	117	(.4%)	22,924	(78.1%)	29,349
30-34	3,726	(19.9%)	102	(.5%)	14,942	(79.6%)	18,770
35-39	1,878	(27.0%)	30	(.4%)	5,055	(72.6%)	6,963
40-44	477	(41.5%)	2	(.2%)	671	(58.3%)	1,150
45 & Over	21	(47.3%)			29	(52.7%)	50
Unknown	15	(12.2%)	11	(13.4%)	61	(74.4%)	87
All Ages	29,067	(29.1%)	411	(.4%)	70,329	(70.5%)	99,807

SHABB4-R004

Table 4

Age Group Specific Fertility Rate, Abortion Rate, and Abortion Ratio, Washington State Residents 1987

Age of Patient	1987 Female Population[1]	Fertility Rate[2]	Abortion Rate[3]	Abortion Ratio[4]
10-14	142,460	.7	1.4	1,933
15-19	160,225	45.1	43.7	971
15-17	94,582	26.2	31.6	1,208
18-19	65,643	72.2	61.1	846
20-24	167,375	115.5	56.4	488
25-29	188,630	121.5	33.4	275
30-34	199,858	74.8	18.6	249
35-39	190,820	26.5	9.8	372
40-44	156,713	4.3	3.0	711
45-49	113,896	.2	.2	808
15-44	1,063,621	65.9	27.1	411

[1] 1987 population estimates from the Office of Financial Management

[2] Resident live births for specific age group per 1,000 female population in that age group.

[3] Resident abortions for specific age group per 1,000 female population in that age group.

[4] Resident abortions for specific age group per 1,000 resident live births for that age group.

SHABB4-007

Table 5

Previous Livebirths by Age of Patient, Washington State Residents 1987

Age of Patient	Previous Live Births							
	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,067	16,185	5,332	3,911	1,299	374	207	1,759
Under 15	203	186	5					12
15-17	2,993	2,631	130	12	1			219
18-19	4,013	3,060	531	102	14	1		305
20-24	9,433	5,600	1,995	1,001	207	45	9	576
25-29	6,308	2,719	1,409	1,239	431	114	51	345
30-34	3,726	1,324	822	883	345	102	57	193
35-39	1,878	550	353	522	227	79	53	94
40-44	477	101	84	145	70	28	34	15
45 & Over	21	1	2	6	4	5	3	
Unknown	15	13	1	1				

SHABB4-R006

Table 6

Previous Induced Abortions by Age of Patient, Washington State Residents 1987

Age of Patient	Previous Abortions							
	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,067	14,523	7,562	3,111	1,246	480	353	1,792
Under 15	203	178	10	3				12
15-17	2,993	2,333	374	58	4	3	1	220
18-19	4,013	2,648	826	173	47	8	3	308
20-24	9,433	4,579	2,681	1,063	345	116	66	583
25-29	6,308	2,317	1,925	969	438	164	143	352
30-34	3,726	1,366	1,109	556	274	124	95	202
35-39	1,878	832	494	237	122	57	38	98
40-44	477	247	135	49	16	7	7	16
45 & Over	21	13	6	1		1		
Unknown	15	10	2	2				1

SHABB4-R005

Table 7

Induced Abortions by Age of Patient by Gestation of Pregnancy, Washington State Residents 1987

Weeks Gestation	Age of Patient										
	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
State Total	29,067	203	2,993	4,013	9,433	6,308	3,726	1,878	477	21	15
Under 9	16,788	73	1,375	2,096	5,409	3,941	2,384	1,203	281	15	12
9-12	9,627	90	1,181	1,442	3,158	1,930	1,098	553	167	5	3
13-15	1,261	12	186	216	429	218	126	54	19	1	
16-19	983	18	177	197	310	155	75	44	7		
20 & Over	387	9	72	62	123	60	37	21	3		
Unknown	20	1	2		4	4	6	3			

SHABB4-R008

Table 8

Induced Abortions by Type of Procedure by Gestation of Pregnancy, Washington State Occurrences 1987

Type of Procedure	Weeks Gestation						
	Total	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total	30,172	17,532	9,799	1,311	1,057	455	18
Suction Curettage	27,480	17,167	9,626	608	61	5	13
Dilatation & Evacuation	2,276	347	158	694	815	260	2
Sharp Curettage	31	16	12	1			2
Saline	259				105	154	
Prostaglandin	117		1	7	74	35	
Hysterotomy/Hysterectomy	5	2	2	1			
Other	3				2	1	
Unknown	1						1

SHABB4-R012

Table 9

Induced Abortions with Complications by Type of Procedure by Gestation of Pregnancy, Washington State Occurrences 1987

Type Of Procedure	Weeks Gestation						
	Total[2]	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total Rate[1]	318 10.5	153 8.7	105 10.7	8 6.1	35 33.1	16 35.2	1 55.6
Suction Curettage Rate[1]	232 8.4	129 7.5	96 10.0	3 4.9	3 49.2		1 76.9
Dilatation And Evacuation(D&E) Rate1	49 21.5	22 63.4	8 50.6	4 5.8	12 14.7	3 11.5	
Sharp Curettage Rate[1]	3 96.8	2 125.0	1 83.3				
Saline Rate[1]	13 50.2				8 76.2	5 32.5	
Prostaglandin Rate[1]	20 170.9			1 142.9	11 148.6	8 228.6	
Hysterotomy/Hysterectomy Rate[1]							
Other Rate[1]	1 333.3				1 500.0		
Unknown Rate[1]							

[1] Complications per 1,000 procedures performed

[2] Total number of patients with complications was 318. Total number of complications was 334.

SHABB4-R010

Table 10

Induced Abortions with Complications by Type by Gestation of Pregnancy, Washington State Occurrences 1987

Type Of Complication	Weeks Gestation						
	Total[2]	Under 9	9-12	13-15	16-19	20 & Over	Unknown
State Total Rate[1]	318 10.5	153 8.7	105 10.7	8 6.1	35 33.1	16 35.2	1 55.6
Hemorrhage Rate1	25 .8	8 .5	7 .7	3 2.3	5 4.7	2 4.4	1
Infection Rate[1]	40 1.3	26 1.5	11 1.1		2 1.9	1 2.2	1
Uterine Perforation Rate[1]	11 .4	6 .3	3 .3		2 1.9		1
Cervical Laceration Rate[1]	4 .1	2 .1	2 .2				1
Retained Products Rate[1]	78 2.6	38 2.2	18 1.8		11 10.4	10 22.0	1
Failed Abortion Rate[1]	23 .8	20 1.1	2 .2		1 .9		1
Other Complications Rate[1]	122 4.0	48 2.7	58 5.9	4 3.1	10 9.5	1 2.2	1 55.6
Multiple Complications Rate[1]	15 .5	5 .3	4 .4		4 3.8	2 4.4	1

[1] Complications per 1,000 procedures performed.

[2] Total number of patients with complications was 318. Total number of complications was 334.

SHABB4-R009

Table 11

Induced Abortions with Complications by Gestation of Pregnancy with Rates, Washington State Occurrences 1983-1987

Weeks Gestation	1983	1984	1985	1986	1987
State Total	27,857	27,783	26,581	27,947	30,172
Complication Cases	236	175	153	252	318
Complication Rate[1]	8.5	6.3	5.8	9.0	10.5
Under 9 Wks Gestation	16,460	15,165	14,092	15,948	17,532
Complication Cases	127	73	63	125	153
Complication Rate[1]	7.7	4.8	4.5	7.8	8.7
9-12 Wks Gestation	9,217	10,170	9,774	9,206	9,799
Complication Cases	60	65	45	82	105
Complication Rate[1]	6.5	6.4	4.6	8.9	10.7
13-15 Wks Gestation	1,117	1,254	1,385	1,430	1,311
Complication Cases	27	6	10	9	8
Complication Rate[1]	24.2	4.8	7.2	6.3	6.1
16-19 Wks Gestation	837	887	992	1,068	1,057
Complication Cases	19	18	23	26	35
Complication Rate[1]	22.7	20.3	23.2	24.3	33.1
Over 19 Wks Gestation	195	287	330	281	455
Complication Cases	3	13	12	10	16
Complication Rate[1]	15.4	45.3	36.4	35.6	35.2
Unknown Gestation	31	20	8	14	18
Complication Cases					1
Complication Rate[1]					55.6

[1] Complications per 1,000 procedures

SHABB4-R011

Table 12

Induced Abortions with Complications by Type of Procedure with Rates, Washington State Occurrences 1983-1987

Procedure	1983	1984	1985	1986	1987
State Total	27,857	27,783	26,581	27,947	30,172
Complication Cases	236	175	153	252	318
Complication Rate[1]	8.5	6.3	5.8	9.0	10.5
Suction Curettage	26,050	25,898	24,529	25,603	27,480
Complication Cases	201	134	112	194	232
Complication Rate[1]	7.7	5.2	4.6	7.6	8.4
Dilatation & Evacuation	1,289	1,453	1,670	2,001	2,276
Complication Cases	16	14	7	31	49
Complication Rate[1]	12.4	9.6	4.2	15.5	21.5
Sharp Curettage	26	9	11	12	31
Complication Cases		2	1	2	3
Complication Rate[1]		222.2	90.9	166.7	96.8
Prostaglandin	155	167	134	114	117
Complication Cases	4	9	13	9	20
Complication Rate[1]	25.8	53.9	97.0	78.9	170.9
Saline	328	244	227	211	259
Complication Cases	15	14	20	16	13
Complication Rate[1]	45.7	57.4	88.1	75.8	50.2
Hysterotomy/Hysterectomy	6	8	5	3	5
Complication Cases		2			
Complication Rate[1]		250.0			
Other Procedure	3		3	2	3
Complication Cases					1
Complication Rate[1]					333.3
Unknown		4	2	1	1
Complication Cases					
Complication Rate[1]					

[1] Complications per 1,000 procedures

Table 13 Induced Abortion Intercounty

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams													19				
Asotin																	1
Benton													5				16
Chelan													18				117
Clallam					5												99
Clark						358											9
Columbia													1				
Cowlitz						42											24
Douglas													6				32
Ferry													2				
Franklin													10				4
Garfield													1				
Grant													159				9
Grays Harbor																	173
Island															73		104
Jefferson																	30
King																	12780
Kitsap																	782
Kittitas																	54
Klickitat						8											
Lewis						2											83
Lincoln													4				1
Mason																	51
Okanogan													2				34
Pacific						5											10
Pend Oreille													1				1
Pierce													1				1672
San Juan																	27
Skagit															4		191
Skamania						6											
Snohomish															1		2304
Spokane													19				71
Stevens													2				3
Thurston																	371
Wahkiakum						2											1
Walla Walla													1				11
Whatcom															1		126
Whitman													2				33
Yakima																	35
County Unknown																	
Out-of-State						83							5		1		346
Non-US																	697

Travel Patterns, Washington State, 1987

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
														8							11	
														30						2	8	9
									5					5							496	2
									1					7							138	1
									2													1
									1										1		4	560
														3							7	
									2												1	169
														2							21	
														16								
														2							161	
																					4	1
														9							63	
									16							146					1	3
									1		3		2						6			1
									1													
	1								34		2		37	2		4			1		6	15
									105		1			1		1					1	5
	3								3												97	1
														1							8	18
									26							79						5
														17							1	
									14							44						
						1			1					29							44	
									5							6						14
														23							1	2
									2044					1		7			1		3	4
											2								11			
											70		1	1					71			1
														1								12
									2		3		156	1		1			5		1	1
													1	1746							57	6
														75							2	
									80					1		466						2
																						6
														10							185	2
									2		2		1						422			
									3					48						8	44	22
									2												857	2
																						4
									4		1		1	353					1	11	196	
									1					93					166		15	

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Table 14

Live births and Abortions with Rate and Ratio Indicators by Patient's Place of Residence, Washington State 1987

County	Female Population[1]	Live Births[2]	Abortions[2]	Abortion Ratio[3]	Abortion Rate[4]	Fertility Rate[5]
State Total	1,063,621	70,134	28,828	411	27	66
Adams	3,052	273	38	139	12	89
Asotin	3,729	228	49	215	13	61
Benton	25,435	1,822	528	290	21	72
Chelan	10,256	802	279	348	27	78
Clallam	11,119	761	106	139	10	68
Clark	50,550	3,279	922	281	18	65
Columbia	743	48	10	208	13	65
Cowlitz	18,054	1,177	233	198	13	65
Douglas	5,429	3432	60	175	11	63
Ferry	1,328	71	18	254	14	53
Franklin	7,721	738	175	237	23	96
Garfield	421	26	6	231	14	62
Grant	11,090	929	238	256	21	84
Grays Harbor	13,429	903	334	370	25	67
Island	11,271	911	188	206	17	81
Jefferson	3,586	215	31	144	9	60
King	346,026	20,362	12,790	628	37	59
Kitsap	38,178	2,799	889	318	23	73
Kittitas	6,421	284	158	556	25	44
Klickitat	3,479	214	34	159	10	62
Lewis	11,958	839	195	232	16	70
Lincoln	1,883	109	23	211	12	58
Mason	7,196	477	109	229	15	66
Okanogan	6,791	531	110	207	16	78
Pacific	3,139	224	40	179	13	71
Pend Oreille	1,857	109	28	257	15	59
Pierce	126,799	9,606	3,701	385	29	76
San Juan	1,889	112	39	348	21	59
Skagit	15,131	1,059	336	317	22	70
Skamania	1,725	110	19	173	11	64
Snohomish	96,564	6,787	2,453	361	25	70
Spokane	84,038	5,353	1,887	353	22	64
Stevens	6,757	424	81	191	12	63
Thurston	35,207	2,173	908	419	26	62
Wahkiakum	698	29	9	310	13	42
Walla Walla	10,454	631	206	326	20	60
Whatcom	28,878	1,586	550	347	19	55
Whitman	11,216	385	158	410	14	34
Yakima	40,124	3,413	886	260	22	85
Unknown			4			

[1] Women, aged 15-44; 1987 estimates from the Office of Financial Management.

[2] Women, aged 15-44.

[3] Induced Abortions per 1,000 resident live births, women aged 15-44.

[4] Induced Abortions per 1,000 female population aged 15-44.

[5] Live births per 1,000 female population aged 15-44.

Table 15

Induced Abortions by Age of Patient by County of Residence, Washington State 1987

County of Residence	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	29,067	203	2,993	4,013	9,433	6,308	3,726	1,878	477	21	15
Adams	38		3	5	15	6	6	3			
Asotin	50		4	10	17	15	3				1
Benton	529	1	68	77	161	115	58	40	9		
Chelan	282	3	35	40	96	55	34	14	5		
Clallam	107	1	17	22	23	15	19	8	2		
Clark	933	8	126	144	273	199	109	61	10		3
Columbia	11	1	1	1	2	3	1		2		
Cowlitz	238	4	30	36	90	40	24	11	2		1
Douglas	61	1	19	7	21	7	3	1	2		
Ferry	18		2	5	5	2	2	2			
Franklin	177	2	26	32	55	40	17	4	1		
Garfield	6		1	2	2	1					
Grant	240	2	29	39	76	53	22	15	4		
Grays Harbor	339	5	56	54	104	57	38	21	4		
Island	190	2	20	15	61	35	31	19	7		
Jefferson	31		3	4	7	6	5	4	2		
King	12,882	74	1,091	1,609	4,070	2,978	1,831	964	247	13	5
Kitsap	896	7	108	103	272	202	119	63	22		
Kittitas	158		10	37	66	27	10	8			
Klickitat	35	1	9	8	5	7	3	1	1		
Lewis	195		28	34	53	47	24	6	3		
Lincoln	23		4	3	3	5	7	1			
Mason	109		16	10	36	19	13	14	1		
Okanogan	111	1	15	16	21	24	21	12	1		
Pacific	40		7	7	9	5	10	2			
Pend Oreille	28		6	4	6	6	4	2			
Pierce	3,733	32	379	530	1,359	788	429	168	48		
San Juan	40		6	4	4	8	12	4	1	1	
Skagit	339	3	38	71	97	62	48	17	3		
Skamania	19		4		8	2	4	1			
Snohomish	2,475	17	289	339	783	555	301	143	43	4	1
Spokane	1,900	13	216	312	645	376	218	104	16		
Stevens	82	1	13	12	15	12	20	8	1		
Thurston	920	9	112	120	303	190	104	59	20	2	1
Wahkiakum	9		2		4	1	2				
Walla Walla	209	2	15	40	83	39	18	8	3		1
Whatcom	554	4	54	93	193	103	57	41	9		
Whitman	160		7	42	77	21	6	3	2		2
Yakima	896	9	123	126	313	180	93	45	6	1	
Unknown	4		1			2		1			

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Table 16

Second Trimester Abortions by Patient's Age by County of Residence, Washington State 1987

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	2,631	39	435	475	862	433	238	119	29	1	
Adams	3		1	1	1						
Asotin	3			1	2						
Benton	75		18	12	20	11	10	3	1		
Chelan	32	3	5	6	10	5	2	1			
Clallam	19		5	4	5	3	2				
Clark	87	1	21	17	22	13	11	2			
Columbia	2	1							1		
Cowlitz	44		7	9	14	10	3		1		
Douglas	8		1	2	3	2					
Ferry											
Franklin	32		5	9	10	6	2				
Garfield											
Grant	12		3	2	2	3		2			
Grays Harbor	36	1	4	8	16	5	2				
Island	17		2	3	7	4		1			
Jefferson	5		2	1		1	1				
King	1,013	11	138	166	338	185	98	63	14		
Kitsap	91		14	11	25	24	12	5			
Kittitas	15		1	2	8	4					
Klickitat	3			1			1		1		
Lewis	32		9	6	7	7	2	1			
Lincoln	1						1				
Mason	21		4	3	7	3	4				
Okanogan	8		4	2	1			1			
Pacific	3					1	2				
Pend Oreille											
Pierce	471	12	81	78	183	67	31	14	5		
San Juan											
Skagit	25	2	1	8	7	3	2	1	1		
Skamania	2		1			1					
Snohomish	208	3	41	44	56	34	15	12	3		
Spokane	99		18	21	32	12	9	7			
Stevens	10		4	2	1	1	1		1		
Thurston	71	2	11	14	23	10	8	3			
Wahkiakum	1		1								
Walla Walla	26		3	7	8	3	4		1		
Whatcom	32		5	10	11	1	4	1			
Whitman	12		1	5	4	1	1				
Yakima	112	3	24	20	39	13	10	2		1	
Unknown											

Table 17

Repeat Abortions by Patient's Age by County of Residence, Washington State 1987

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	12,752	13	440	1,057	4,271	3,639	2,158	948	214	8	4
Adams	10		1	1	3	2	2	1			
Asotin	8			1	2	4					1
Benton	210		2	24	66	65	28	22	3		
Chelan	114	1	6	6	46	32	16	3	4		
Clallam	54	1	3	10	15	11	12	2			
Clark	412	2	18	42	125	126	66	29	4		
Columbia	2			1			1				
Cowlitz	98		6	6	41	25	12	7	1		
Douglas	22		2	2	12	3	2		1		
Ferry	1					1					
Franklin	64		2	7	28	20	6	1			
Garfield	1				1						
Grant	92	1	4	8	33	29	14	2	1		
Grays Harbor	155		8	21	47	37	26	13	3		
Island	60		2	3	15	16	17	4	3		
Jefferson	14				4	4	2	2	2		
King	6,529	4	199	505	2,074	1,891	1,161	558	130	4	3
Kitsap	408		21	28	121	123	75	34	6		
Kittitas	62		2	5	20	20	9	6			
Klickitat	9		2	1	1	1	2	1	1		
Lewis	73		2	5	24	23	19				
Lincoln	3			1		1	1				
Mason	48		1		18	13	8	7	1		
Okanogan	34		2	2	6	7	11	6			
Pacific	18		1	2	3	5	5	2			
Pend Oreille	5		1		2		2				
Pierce	1,615	1	54	142	628	450	241	86	13		
San Juan	18		1	1		3	9	2	1	1	
Skagit	142		6	19	44	33	32	7	1		
Skamania	10				5	1	3	1			
Snohomish	1,176	1	47	103	408	357	170	69	18	3	
Spokane	182		3	15	68	42	43	10	1		
Stevens	2						1	1			
Thurston	398		18	23	148	111	61	29	8		
Wahkiakum	3				2	1					
Walla Walla	69		1	10	26	19	10	3			
Whatcom	223	1	3	23	84	54	27	24	7		
Whitman	36			7	16	8	4		1		
Yakima	370	1	22	33	135	99	60	16	4		
Unknown	2					2					

Table 18

Pregnancy Outcome of Adolescents by Age of Patient by Place of Residence, Washington State 1987

County and State	Ages 15-44		Ages 10-14		Ages 15-17		Ages 18-19	
	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
State Totals								
Live Births	70134	68.9	106	.7	2477	26.2	4741	72.2
Fetal Deaths	398	.4	2		19	.2	30	.5
Abortions	28828	27.1	203	1.4	2992	31.6	4013	61.1
Total Pregnancies	99360	93.4	310	2.1	5488	58.0	8784	133.8
Adams								
Live Births	273	89.4	3	5.4	15	46.6	32	142.9
Fetal Deaths	2	.7					1	4.5
Abortions	38	12.5			3	9.3	5	22.3
Total Pregnancies	313	102.6	3	5.4	18	55.9	38	169.7
Asotin								
Live Births	228	61.1	1	1.7	8	23.5	20	84.7
Fetal Deaths								
Abortions	49	13.1			4	11.7	10	42.4
Total Pregnancies	277	74.2	1	1.7	12	35.2	30	127.1
Benton								
Live Births	1822	71.6	1	.3	72	32.3	138	89.1
Fetal Deaths	10	.4						
Abortions	528	20.8	1	.3	68	30.5	77	49.7
Total Pregnancies	2360	92.8	2	.6	140	62.8	215	138.8
Chelan								
Live Births	802	78.2	2	1.4	32	34.2	63	97.1
Fetal Deaths	7	.7						
Abortions	279	27.2	3	2.1	35	37.4	40	61.6
Total Pregnancies	1088	106.1	5	3.5	67	71.6	103	158.7
Clallam								
Live Births	761	68.4	2	1.2	40	38.6	51	70.8
Fetal Deaths	5	.4			2	1.9		
Abortions	106	9.5	1	.6	17	16.4	22	30.6
Total Pregnancies	872	78.3	3	1.8	59	56.9	73	101.4
Clark								
Live Births	3279	64.9	3	.4	126	28.0	273	87.6
Fetal Deaths	10	.2			1	.2		
Abortions	922	18.2	8	1.0	126	28.0	144	46.2
Total Pregnancies	4211	83.3	11	1.4	253	56.2	417	133.8
Columbia								
Live Births	48	64.6					2	46.5
Fetal Deaths	1	1.3						
Abortions	10	13.5	1	7.6	1	15.9	1	23.3
Total Pregnancies	59	79.4	1	7.6	1	15.9	3	69.8
Cowlitz								
Live Births	1177	65.2			59	35.9	132	115.8
Fetal Deaths	6	.3						
Abortions	233	12.9	4	1.5	30	18.3	36	31.6
Total Pregnancies	1416	78.4	4	1.5	89	54.2	168	147.4
Douglas								
Live Births	342	63.0			21	42.6	21	61.4
Fetal Deaths	3	.6						
Abortions	60	11.1	1	1.3	19	38.5	7	20.5
Total Pregnancies	405	74.7	1	1.3	40	81.1	28	81.9
Ferry								
Live Births	71	53.5			6	48.0	6	69.0
Fetal Deaths	1	.8						
Abortions	18	13.6			2	16.0	5	57.5
Total Pregnancies	90	67.9			8	64.0	11	126.5
Franklin								
Live Births	738	96.6	4	3.5	42	56.5	64	123.8
Fetal Deaths	6	.8			2	2.7	2	3.9
Abortions	175	22.7	2	1.7	26	34.9	32	61.9
Total Pregnancies	919	119.1	6	5.2	70	94.1	98	189.6
Garfield								
Live Births	26	61.8						
Fetal Deaths								
Abortions	6	14.3			1	24.4	2	71.4
Total Pregnancies	32	76.1			1	24.4	2	71.4
Grant								
Live Births	929	83.8	2	1.1	45	39.6	79	100.1
Fetal Deaths	8	.7			1	.9		
Abortions	238	21.5	2	1.1	29	25.5	39	49.4
Total Pregnancies	1175	106.0	4	2.2	75	66.0	118	149.5
Grays Harbor								
Live Births	903	67.2			51	40.0	83	93.8
Fetal Deaths	4	.3						
Abortions	334	24.9	5	2.4	56	43.9	54	61.0
Total Pregnancies	1241	92.4	5	2.4	107	83.9	137	154.8
Island								
Live Births	911	80.8			18	19.0	52	79.1
Fetal Deaths	6	.5			1	1.1	1	1.5
Abortions	188	16.7	2	1.3	20	21.1	15	22.8
Total Pregnancies	1105	98.0	2	1.3	39	41.2	68	103.4
Jefferson								
Live Births	215	60.0	1	1.8	4	13.6	15	73.5
Fetal Deaths	3	.8					1	4.9
Abortions	31	8.6			3	10.2	4	19.6
Total Pregnancies	249	69.4	1	1.8	7	23.8	20	98.0
King								
Live Births	20362	58.8	21	.5	475	17.1	881	45.7
Fetal Deaths	102	.3	1		4	.1	3	.2
Abortions	12790	37.0	74	1.8	1091	39.3	1609	83.4
Total Pregnancies	33254	96.1	96	2.3	1570	56.5	2493	129.3
Kitsap								
Live Births	2799	73.3	3	.5	81	25.3	188	84.5
Fetal Deaths	19	.5					3	1.3
Abortions	849	23.3	7	1.3	108	33.7	103	46.3
Total Pregnancies	3707	97.1	10	1.8	189	59.0	294	132.1
Kittitas								
Live Births	284	44.2			9	11.9	22	42.0
Fetal Deaths	2	.3					1	1.9
Abortions	158	24.6			10	13.3	37	70.6
Total Pregnancies	444	69.1			19	25.2	60	114.5
Klickitat								
Live Births	214	61.5			15	47.5	23	104.5
Fetal Deaths								
Abortions	34	9.8	1	1.7	9	28.5	8	36.4
Total Pregnancies	248	71.3	1	1.7	24	76.0	31	140.9
Lewis								
Live Births	839	70.2			41	34.1	61	73.1
Fetal Deaths	2	.2						
Abortions	195	16.3			28	23.3	34	40.8
Total Pregnancies	1036	86.7			69	57.4	95	113.9
Lincoln								
Live Births	109	57.9			3	16.7	4	32.0
Fetal Deaths								
Abortions	23	12.2			4	22.2	3	24.0
Total Pregnancies	132	70.1			7	38.9	7	56.0
Mason								
Live Births	477	66.3	1	.9	20	29.0	47	98.1
Fetal Deaths	1	.1						
Abortions	109	15.1			16	23.2	10	20.9
Total Pregnancies	587	81.5	1	.9	36	52.2	57	119.0
Okanogan								
Live Births	531	78.2	1	.9	32	52.5	47	111.1
Fetal Deaths	3	.4						
Abortions	110	16.2	1	.9	15	24.6	16	37.8
Total Pregnancies	644	94.8	2	1.8	47	77.1	63	148.9
Pacific								
Live Births	224	71.4			6	20.3	20	97.6
Fetal Deaths	1	.3						
Abortions	40	12.7			7	23.7	7	34.1
Total Pregnancies	265	84.4			13	44.0	27	131.7
Pend Oreille								
Live Births	109	58.7			7	38.5	10	79.4
Fetal Deaths	1	.5						
Abortions	28	15.1			6	33.0	4	31.7
Total Pregnancies	138	74.3			13	71.5	14	111.1
Pierce								
Live Births	9606	75.8	22	1.3	402	33.7	811	98.0
Fetal Deaths	70	.6	1	.1	2	.2	8	1.0
Abortions	3701	29.2	32	1.9	379	31.8	530	64.1
Total Pregnancies	13377	105.6	55	3.3	783	65.7	1349	163.1
San Juan								
Live Births	112	59.3					3	36.6
Fetal Deaths								
Abortions	39	20.6			6	51.3	4	48.8
Total Pregnancies	151	79.9			6	51.3	7	85.4
Skagit								
Live Births	1059	70.0	1	.5	47	33.8	93	96.5
Fetal Deaths	5	.3						
Abortions	336	22.2	3	1.4	38	27.4	71	73.7
Total Pregnancies	1400	92.5	4	1.9	85	61.2	164	170.2
Skamania								
Live Births	110	63.8			10	61.7	12	107.1
Fetal Deaths								
Abortions	19	11.0			4	24.7		
Total Pregnancies	129	74.8			14	86.4	12	107.1
Snohomish								
Live Births	6787	70.3	6	.4	204	24.4	414	71.3
Fetal Deaths	32	.3			3	.4	3	.5
Abortions	2453	25.4	17	1.2	289	34.6	339	58.4
Total Pregnancies	9272	96.0	23	1.6	496	59.4	756	130.2
Spokane								
Live Births	5353	63.7	7	.6	190	23.7	396	71.1
Fetal Deaths	34	.4			1	.1	1	.2
Abortions	1887	22.5	13	1.1	216	26.9	312	56.0
Total Pregnancies	7274	86.6	20	1.7	407	50.7	709	127.3
Stevens								
Live Births	424	62.7			21	36.8	34	86.1
Fetal Deaths	4	.6						
Abortions	81	12.0	1	.8	13	22.8	12	30.4
Total Pregnancies	509	75.3	1	.8	34	59.6	46	116.5
Thurston								
Live Births	2166	51.5	2	.4	79	25.7	157	73.5
Fetal Deaths	17	.5					3	1.4
Abortions	908	25.8	9	1.8	112	36.4	120	56.2
Total Pregnancies	3091	87.8	11	2.2	191	62.1	280	131.1
Wahkiakum								
Live Births	29	41.5			1	14.7	3	63.8
Fetal Deaths								
Abortions	9	12.9			2	29.4		
Total Pregnancies	38	54.4			3	44.1	3	63.8
Walla Walla								
Live Births	631	60.4	3	2.1	33	27.9	56	68.3
Fetal Deaths	2	.2						
Abortions	206	19.7	2	1.4	15	12.7	40	48.8
Total Pregnancies	839	80.3	5	3.5	48	40.6	96	117.1
Whatcom								
Live Births	1586	54.9	1	.3	46	16.5	80	41.5
Fetal Deaths	10	.3					1	.5
Abortions	550	19.0	4	1.1	54	19.4	93	48.2
Total Pregnancies	2146	74.2	5	1.4	100	35.9	174	90.2
Whitman								
Live Births	385	34.3			4	2.5	10	9.1
Fetal Deaths	2	.2						
Abortions	158	14.1			7	4.4	42	38.3
Total Pregnancies	545	48.6			11	6.9	52	47.4
Yakima								
Live Births	3413	85.1	18	2.9	212	52.9	338	121.5
Fetal Deaths	19	.5			2	.5	2	.7
Abortions	886	22.1	9	1.4	123	30.7	126	45.3
Total Pregnancies	4318	107.7	27	4.3	337	84.1	466	167.5

[1] Number of events (live births, fetal deaths, abortions, total reported) per 1,000 female population in each age group

Table 19

Resident Abortion Rates with Ranks for Washington State Counties, 1983-1987

	1983		1984		1985		1986		1987	
Rank	County	Rate[1]	County	Rate[1]	County	Rate[1]	County	Rate[1]	County	Rate[1]
1	King	34.3	King	33.6	King	32.1	King	34.4	King	37.0
2	Chelan	33.7	Chelan	30.5	Kittitas	27.5	Pierce	28.3	Pierce	29.2
3	Kittitas	32.6	Thurston	29.6	Pierce	27.2	Thurston	26.5	Chelan	27.2
4	Pierce	29.1	Pierce	29.0	Thurston	26.9	Kittitas	25.7	Thurston	25.8
5	Whatcom	26.2	Kittitas	26.7	Chelan	26.4	Franklin	24.5	Snohomish	25.4
6	Franklin	25.8	Grays Harbor	26.0	Adams	24.6	Chelan	24.4	Grays Harbor	24.9
7	Thurston	25.2	Whatcom	23.0	Clark	23.8	Grant	24.1	Kittitas	24.6
8	Grays Harbor	24.9	Benton	22.8	Walla Walla	23.7	Spokane	22.9	Kitsap	23.3
9	Skagit	24.6	Franklin*	22.8	Franklin	23.5	Grays Harbor	22.8	Franklin	22.7
10	Grant	24.3	San Juan	22.4	Grays Harbor	22.9	Benton	22.0	Spokane	22.5
11	Benton	24.0	Spokane	22.2	Spokane*	22.9	Yakima	21.0	Skagit	22.2
12	Clark	23.6	Grant	22.0	Grant	21.6	Walla Walla	20.3	Yakima	22.1
13	San Juan*	23.6	Walla Walla	21.7	Benton	21.2	Skagit	19.5	Grant	21.5
14	Adams	23.4	Clark	21.5	Whatcom	20.5	Kitsap	19.3	Benton	20.8
15	Whitman	22.3	Skagit*	21.5	Yakima*	20.5	Clark	19.2	San Juan	20.6
16	Yakima	22.2	Whitman	21.4	Columbia	20.2	Okanogan	18.8	Walla Walla	19.7
17	Walla Walla	21.1	Island	21.0	Asotin	19.4	Snohomish	18.7	Whatcom	19.0
18	Okanogan	19.9	Okanogan*	21.0	Lewis	19.2	Whatcom	18.3	Clark	18.2
19	Spokane	19.6	Yakima	20.8	Island	19.1	Whitman	18.0	Island	16.7
20	Pacific	19.4	Kitsap	20.7	Skagit	18.3	Columbia	17.5	Lewis	16.3
21	Kitsap	18.4	Asotin	19.9	Kitsap	17.1	Lewis	17.2	Okanogan	16.2
22	Island	17.3	Pacific	19.6	Whitman	17.0	Asotin	17.0	Mason	15.1
23	Snohomish	17.1	Adams	19.1	Snohomish	16.2	Island	16.8	Pend Oreille*	15.1
24	Lewis	16.9	Mason	18.9	Mason	15.1	Adams	16.5	Garfield	14.3
25	Garfield	16.7	Lewis	18.7	Pacific*	15.1	Mason*	16.5	Whitman	14.1
26	Mason	16.0	Snohomish	16.7	Pend Oreille	14.8	San Juan	14.2	Ferry	13.6
27	Columbia	15.3	Columbia	16.2	Okanogan	13.8	Ferry	12.6	Columbia	13.5
28	Douglas	14.4	Wahkiakum	14.9	Douglas	12.3	Lincoln	11.7	Asotin	13.1
29	Pend Oreille	13.6	Cowlitz	14.2	Stevens*	12.3	Pend Oreille*	11.7	Cowlitz	12.9
30	Asotin	13.2	Klickitat	13.8	Skamania	12.0	Cowlitz	11.3	Wahkiakum*	12.9
31	Cowlitz	12.7	Skamania	13.2	Cowlitz	10.7	Pacific	11.2	Pacific	12.7
32	Skamania	12.2	Douglas	13.1	San Juan	10.4	Klickitat	11.1	Adams	12.5
33	Lincoln	10.8	Ferry	10.4	Klickitat	10.2	Skamania	11.0	Lincoln	12.2
34	Klickitat	10.2	Garfield	9.2	Ferry	9.6	Stevens	9.4	Stevens	12.0
35	Stevens	10.1	Pend Oreille	8.5	Clallam	8.6	Douglas	9.3	Douglas	11.1
36	Ferry	8.9	Clallam	8.2	Lincoln	8.5	Clallam	8.8	Skamania	11.0
37	Wahkiakum	5.6	Stevens	7.9	Jefferson	7.5	Jefferson	5.3	Klickitat	9.8
38	Jefferson	5.1	Jefferson	7.7	Wahkiakum	7.0	Garfield	4.6	Clallam	9.5
39	Clallam	4.6	Lincoln	6.9	Garfield	6.9	Wahkiakum	1.4	Jefferson	8.6

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[1] Abortions per 1,000 female population aged 15-44.

* Tied in rank with county or counties above.

MARRIAGES
AND
DISSOLUTIONS

Table 1

Marriage by County of Marriage by Bride and Groom Age Group, Washington State 1987

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Bride	43,503	3	4,944	13,189	9,698	6,130	3,913	2,328	1,243	657	390	341	250	166	87	33	3	128
	Groom	43,503	1	1,630	11,623	10,957	6,974	4,460	2,921	1,743	962	676	492	374	291	159	65	24	151
Adams	Bride	106		29	37	21	9	3	3			1	3						
	Groom	106		9	49	17	14	6	3	2	2	1	1	2					
Asotin	Bride	97		10	26	24	16	9	6	1	1	2		1			1		
	Groom	97		2	26	25	21	7	7	2	3		1	2	1				
Benton	Bride	1,051		168	335	234	129	76	49	23	15	4	9	2	2	3			2
	Groom	1,051		65	286	276	182	92	47	34	21	13	13	7	5	3		2	5
Chelan	Bride	646		66	195	133	84	80	37	18	10	5	7	5	1	3	1		1
	Groom	646		25	175	141	94	79	52	23	15	13	14	4	4	3	1	1	2
Clallam	Bride	482	1	70	139	90	60	47	23	22	6	7	3	8	4	2			
	Groom	482		21	122	116	64	50	33	24	14	7	9	8	6	4	1	1	2
Clark	Bride	3,462		442	991	685	446	377	217	126	57	40	33	24	13	5	1	1	4
	Groom	3,462		144	883	803	522	405	246	166	76	59	66	40	26	16	6	1	3
Columbia	Bride	29		10	7	7	2	2		1									
	Groom	29		2	10	9	2	2	2	1									1
Cowlitz	Bride	804		138	256	150	80	63	42	30	11	8	7	10	6	2			1
	Groom	804		54	244	170	111	71	52	35	19	10	8	11	6	7	3		3
Douglas	Bride	125		21	35	23	12	16	11	3		1	1				1		1
	Groom	125		6	37	29	22	11	5	6	5		1	2		1			
Ferry	Bride	59		7	16	5	9	11	3	6	2								
	Groom	59		1	12	14	12	9	3	3	3	1	1						
Franklin	Bride	193		30	78	26	26	7	9	7	1	4	1	2	1		1		
	Groom	193		13	66	47	21	9	12	13	2	1	1	4	1	1	1		1
Garfield	Bride	12			4	1	5	1		1									
	Groom	12		2	2	3		2	2	1									
Grant	Bride	356		65	127	61	38	22	17	8	5	4	3		2	1	1		2
	Groom	356		15	134	83	40	22	25	15	7	3	2	1	4	3	2		
Grays Harbor	Bride	667		107	157	143	95	58	37	29	15	8	5	3	2	4			4
	Groom	667		25	189	140	99	67	57	34	15	13	8	7	5	4			4
Island	Bride	547		96	168	117	61	42	30	11	6	1	5	5	2				3
	Groom	547		25	210	118	65	48	28	15	12	8	5	7	2	1			3
Jefferson	Bride	203		15	40	40	43	32	12	8	3	3	1	2	1		1	2	
	Groom	203		3	27	40	46	31	18	16	8	3	3	3	1	1	1		2
King	Bride	13,693		925	4,019	3,581	2,219	1,267	740	378	189	107	97	69	33	14	11		44
	Groom	13,693		285	3,046	3,807	2,546	1,577	976	522	319	199	140	92	82	32	19	4	47
Kitsap	Bride	1,640		244	470	330	249	141	93	50	13	12	13	9	10	1			5
	Groom	1,640		71	487	403	250	166	95	66	25	17	19	5	13	7	2	2	12
Kittitas	Bride	169		21	59	31	20	13	8	6	3		3	1	3		1		
	Groom	169		5	54	41	25	15	8	8	2	2	2	2	2	1	2		
Klickitat	Bride	142		21	30	25	24	10	8	9	7	1	1	1	1	2	1		1
	Groom	142		7	31	24	22	14	9	13	10	3		2	4	2		1	
Lewis	Bride	600		111	171	95	78	47	38	22	11	6	7	7	4	1			2
	Groom	600		39	175	128	76	62	33	30	16	15	8	4	9	3	1	1	
Lincoln	Bride	63		5	26	9	8	3	7			1	1	1		2			
	Groom	63		3	20	14	6	4	4	1	4			3	1	2			1
Mason	Bride	266		42	64	48	39	31	20	12	1	2	3	1	1	1			1
	Groom	266		14	66	50	44	30	23	11	9	7	3	2		3			4
Okanogan	Bride	280		44	79	56	30	25	9	8	11	4	5	4	2	2	1		
	Groom	280		11	77	64	49	21	17	8	5	6	6	5	6	3	2		
Pacific	Bride	235		29	66	42	30	29	15	7	6	1	3	4	2	1			
	Groom	235		9	60	45	36	23	16	19	6	5	5	2	4	3			2
Pend Oreille	Bride	75		6	26	9	11	6	3	5	3	1	1	1		2			1
	Groom	75		1	19	9	13	8	8	6	1	4	1	2	2				1
Pierce	Bride	5,742	1	773	1,919	1,234	735	459	244	143	68	46	34	27	27	7	3	1	21
	Groom	5,742		287	1,884	1,417	819	484	304	199	98	78	49	43	36	17	5	4	18
San Juan	Bride	209		5	32	49	54	36	17	1	8	2	4		1				
	Groom	209		1	20	45	36	47	30	10	4	4	3	4	2				3
Skagit	Bride	736		84	212	129	110	67	51	22	20	13	7	9	4	6		1	1
	Groom	736		26	193	168	107	76	52	36	16	17	17	12	7	4	4	1	
Skamania	Bride	130		11	28	22	20	16	20	2	4	2	1		1	2			1
	Groom	130		4	25	23	26	16	13	9	5	1	1	4	1		1		1
Snohomish	Bride	3,412		366	981	771	486	296	221	104	72	38	33	18	9	7	4		6
	Groom	3,412		122	821	887	532	335	260	158	106	79	36	33	21	13	5		4
Spokane	Bride	2,734	1	346	948	593	350	230	97	53	37	21	17	11	13	4	3		10
	Groom	2,734	1	115	843	725	407	229	166	88	54	36	19	18	13	6	4	2	8
Stevens	Bride	189		44	38	32	25	19	15	4	3	3	3	2		1			
	Groom	189		18	50	35	24	18	18	7	5	2	3	6	2		1		
Thurston	Bride	1,245		146	393	236	159	138	75	39	22	14	8	6	5				4
	Groom	1,245		50	347	288	182	126	86	72	26	25	14	12	4	1	1	1	10
Wahkiakum	Bride	28		6	7	4	6	1	2		1					1			
	Groom	28		1	8	6	4	4	2	2						1			
Walla Walla	Bride	432		73	125	86	57	38	20	12	7	4	3	1	1	5			
	Groom	432		23	128	103	56	52	24	14	5	8	5	4	2	6		1	1
Whatcom	Bride	974		112	315	210	131	76	52	26	20	10	8	6	4	1			3
	Groom	974		24	264	249	155	113	70	30	18	17	11	8	9	4		1	1
Whitman	Bride	158		8	61	45	22	9	5	2	1	1	1	1	2				
	Groom	158		3	58	45	22	12	5	5	1	1	2	1	2	1			
Yakima	Bride	1,512		248	509	301	152	110	72	44	18	13	10	9	9	7	2		8
	Groom	1,512		99	475	350	222	117	110	39	25	18	15	12	8	6	3	1	12

Table 2

Dissolutions, Annulments, and Separate Maintenance by County of Decree, Washington State 1987

County	Total	Dissolution	Annulment	Separate Maintenance	Not Stated
State Total	27,216	26,747	220	221	28
Adams	60	60			
Asotin	86	85		1	
Benton	684	678	1	5	
Chelan	450	446	3	1	
Clallam	320	320			
Clark	1,398	1,381	7	8	2
Columbia	18	18			
Cowlitz	500	493	3	3	1
Douglas	15	14			1
Ferry	26	26			
Franklin	153	153			
Garfield	17	17			
Grant	268	265	3		
Grays Harbor	364	363			1
Island	359	352	2	5	
Jefferson	122	122			
King	7,728	7,601	39	84	4
Kitsap	758	751	1	5	1
Kittitas	102	99	1	2	
Klickitat	81	81			
Lewis	371	368	1	2	
Lincoln	964	946	9	8	1
Mason	106	103	2	1	
Okanogan	99	99			
Pacific	119	114	1	4	
Pend Oreille	41	41			
Pierce	3,935	3,847	46	31	11
San Juan	53	53			
Skagit	456	454	1	1	
Skamania	72	71	1		
Snohomish	2,399	2,361	17	20	1
Spokane	1,895	1,863	16	16	
Stevens	140	139	1		
Thurston	1,031	1,008	7	16	
Wahkiakum	14	14			
Walla Walla	283	282	1		
Whatcom	628	617	5	5	1
Whitman	116	116			
Yakima	985	926	52	3	4

Table 3

Dissolutions by County of Divorce by Husband's and Wife's Age Group, Washington State 1987

County		Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Wife	26,747	265	3,493	5,476	5,181	4,176	2,875	1,550	806	468	261	148	84	35	13	2	1,914
	Husband	26,747	43	1,941	4,806	5,118	4,470	3,430	2,209	1,236	775	439	261	136	53	24	16	1,790
Adams	Wife	60	1	8	18	10	4	9	2	1	3	1						3
	Husband	60		4	18	11	5	7	7	2	2	2		1				1
Asotin	Wife	85	2	7	34	15	7	7	2	3	4	1	2					1
	Husband	85		7	26	19	6	7	5	6	1	3	1	1	1			2
Benton	Wife	678	11	104	167	112	109	71	47	17	12	7	3	2				16
	Husband	678	1	56	150	125	124	86	53	22	16	14	6	5		1		19
Chelan	Wife	446	5	69	76	82	81	48	26	21	10	7	3					18
	Husband	446	2	43	74	86	77	57	29	16	28	8	3	3		1		19
Clallam	Wife	320	3	40	67	58	54	31	21	13	5	3	4	1	1			19
	Husband	320		22	58	60	59	40	25	13	12	11	6	1		1		12
Clark	Wife	1,381	12	213	273	270	235	163	67	41	22	12	11	3	4			55
	Husband	1,381	2	83	271	277	224	187	127	71	40	25	13	5	2	1	2	51
Columbia	Wife	18	1	1	2	7	3	3										1
	Husband	18		1	5	1	4		3	2		1						1
Cowlitz	Wife	493	8	93	94	91	71	52	22	13	11	8	7	4	1		1	17
	Husband	493	1	45	95	105	86	51	41	20	13	10	8	2	3		1	12
Douglas	Wife	14		2	6		2	1	1									2
	Husband	14		1	6	2	1		2	2								
Ferry	Wife	26	1	1	4	5	5	1						1				8
	Husband	26		1	4	3	8		2	1								7
Franklin	Wife	153	3	15	32	31	26	19	9	2	6	2	1					7
	Husband	153		11	30	27	27	19	9	7	5	4	4					10
Garfield	Wife	17		1	1	3	1	3	2			1	2					3
	Husband	17		1		2	1	4	3	1	1	1	2					1
Grant	Wife	265	3	44	41	58	41	28	16	4	7	6	3	1				13
	Husband	265	1	19	56	48	44	32	20	13	9	6	3	3	1			10
Grays Harbor	Wife	363	3	63	75	67	49	29	19	19	8	7		1				23
	Husband	363	1	27	74	57	63	33	38	21	9	10	5	1				24
Island	Wife	352	11	78	72	61	42	31	16	9	3	2	1	2				24
	Husband	352		51	89	62	51	33	25	5	7	6	2	1	1			19
Jefferson	Wife	122	1	16	19	20	25	11	10	4	5	3	2	1				5
	Husband	122	1	8	17	21	22	15	9	7	5	1	6	3				7
King	Wife	7,601	37	720	1,454	1,540	1,283	909	467	242	126	64	43	28	7	4		677
	Husband	7,601	11	374	1,154	1,483	1,310	1,123	658	372	208	128	80	39	12	9	2	638
Kitsap	Wife	751	7	140	185	146	92	78	27	20	12	10	1	2	2			29
	Husband	751		98	161	150	129	80	45	25	14	10	8	3	1	2		25
Kittitas	Wife	99	1	14	14	17	19	7	11	6	4	3						3
	Husband	99	1	4	12	15	17	14	12	5	6	1	3	2				7
Klickitat	Wife	81	1	16	21	16	10	6	4	3	1	2						1
	Husband	81		6	20	12	11	11	6	4	5	2	1	1				2
Lewis	Wife	368	5	50	63	62	70	26	20	13	4	3	6	2	1	1		42
	Husband	368		32	56	69	64	37	27	17	5	7	6	2	2		2	42
Lincoln	Wife	946	12	147	205	198	151	90	51	29	18	10	2	4	1	2		26
	Husband	946	1	76	183	195	154	116	79	43	39	14	6	5	2	1	1	31
Mason	Wife	103		6	26	22	14	12	5	3	2	4						9
	Husband	103	1	4	10	21	24	13	7	6	2	3	1	1				10
Okanogan	Wife	99	1	7	22	18	18	13	6	3	4	2						5
	Husband	99		4	18	22	13	12	10	9	3		2	1				5
Pacific	Wife	114		20	12	19	19	18	8	3	3	3	1	1				7
	Husband	114		7	18	25	14	14	10	8	7	2	1	1				7
Pend Oreille	Wife	41		5	6	10	7	5	2	3	1							2
	Husband	41			8	7	8	7	2	2	2	2						3
Pierce	Wife	3,847	57	592	898	788	536	342	219	104	63	27	10	8	3	2		198
	Husband	3,847	10	392	852	748	569	445	306	140	104	45	21	19	5		1	190
San Juan	Wife	53	1	3	10	14	11	6	3	1	3	1						
	Husband	53		2	8	9	13	8	3	4	4	1	1					
Skagit	Wife	454	6	56	87	85	64	51	29	16	11	5	7	5		1		31
	Husband	454		28	74	81	85	46	44	24	13	11	11	5	2			30
Skamania	Wife	71	1	13	19	10	8	9	2	5	1	1	1					1
	Husband	71		9	15	12	9	7	5	7	3	2	1					1
Snohomish	Wife	2,361	14	294	458	452	351	259	151	67	40	21	14	7	5	1		227
	Husband	2,361	1	139	383	435	415	307	193	126	74	36	24	13	8	2	1	204
Spokane	Wife	1,863	23	244	426	352	296	211	99	51	37	12	10	3	5	1	1	92
	Husband	1,863	5	134	368	384	321	239	158	78	50	21	12	10	4	2	2	75
Stevens	Wife	139	1	16	18	27	26	18	8	2	6		1	1				15
	Husband	139		6	23	21	25	15	12	9	5	6	3	1			1	12
Thurston	Wife	1,008	4	123	191	179	154	113	59	35	5	12	2	1	1			129
	Husband	1,008		74	146	177	178	120	88	48	24	14	3	2	2			132
Wahkiakum	Wife	14		4	1	3	2	2	2									
	Husband	14		3	1	2	3	2	3									
Walla Walla	Wife	282	6	53	49	50	45	31	16	11	1	4	1	1	1			13
	Husband	282		38	50	50	41	35	24	13	8	6	5		2			10
Whatcom	Wife	617	6	70	111	93	92	57	39	14	4	6	3	3				119
	Husband	617		40	82	94	97	80	45	28	16	5	5	2	3	1		119
Whitman	Wife	116	1	14	31	22	20	9	5	3	2	1	1					7
	Husband	116		10	23	20	22	17	6	4	4	3	1					6
Yakima	Wife	926	16	131	188	168	133	96	57	25	24	10	6	2	3	1		66
	Husband	926	4	81	168	180	146	111	68	55	31	18	7	3	2	3	3	46

Table 4

Dissoutions by Total Living Children by Place of Wife's Residence, Washington State 1987[1]

County	Number of Children										
	Total	0	1	2	3	4	5	6	7	8 or More	Not Stated
State Total	26,747	11,571	5,794	5,696	1,953	574	183	78	22	26	850
Adams	59	13	13	19	9	3		1		1	
Asotin	82	34	23	15	7	1					2
Benton	667	279	157	138	54	17	4			2	16
Chelan	324	142	75	60	23	8	2				14
Clallam	307	127	64	61	22	15	1				17
Clark	1,173	463	251	301	92	28	7	5	1		25
Columbia	16	5	5	2	2	1					1
Cowlitz	457	192	108	97	45	3	1				11
Douglas	115	50	28	22	12	1	1				1
Ferry	30	9	6	8	3						4
Franklin	127	42	33	32	8	5	1	1		1	4
Garfield	13	6		2	2	2		1			
Grant	257	88	59	66	26	9	3	2	1		3
Grays Harbor	343	134	75	89	25	5	3	4			8
Island	322	133	88	69	18	4	1	2			7
Jefferson	106	52	21	17	9	2	1				4
King	7,252	3,481	1,504	1,378	472	156	46	15	2	5	193
Kitsap	725	318	163	141	63	16	3	3			18
Kittitas	87	41	15	15	6	1				1	8
Klickitat	85	26	19	27	8	3	1				1
Lewis	334	127	64	89	33	6	1	1			13
Lincoln	34	13	7	6	3	2	1				2
Mason	112	50	18	22	12	4	1	1			4
Okanogan	103	44	21	30	4	2					2
Pacific	101	35	25	19	9	5	3				5
Pend Oreille	46	17	2	16	9	1	1				
Pierce	3,387	1,378	793	771	229	63	31	5	3	5	109
San Juan	55	27	10	11	3	3					1
Skagit	408	171	79	101	35	8	3	1	1		9
Skamania	55	13	13	17	8		1				3
Snohomish	2,285	898	517	549	177	55	13	10	1	1	64
Spokane	2,040	881	423	462	163	50	7	6	4		44
Stevens	162	68	27	41	13	4	1	1	1	1	5
Thurston	854	339	200	199	68	17	8	1	1	1	20
Wahkiakum	14	6	5	3							
Walla Walla	242	119	43	50	16	6		1	1		6
Whatcom	578	225	137	126	43	7	2	1	2	1	34
Whitman	126	49	21	40	8	6	2				
Yakima	863	336	209	183	68	17	9	6	3	4	28
Out-of-State	1,548	808	303	241	90	26	16	9		2	53
Unknown	853	332	170	161	56	12	8	1	1	1	111

---

[1] Includes all living children regardless of age. Does not include residents who obtain dissolutions outside of Washington State.

APPENDIX

Appendix A

Definitions

Abortion - The termination (spontaneous or induced) of a pregnancy before the fetus has attained viability. Where unqualified in this report, the term refers to induced abortions.

Abortion-related Complications - Complications encountered and detected at the time pregnancy termination occurs and before the abortion report is filed.

> **Cervical laceration** - a tear wound of the cervix which requires sutures.
>
> **Failed abortion** - the products of conception fail to be expelled from the uterus after induction.
>
> **Hemorrhage** - copious or excessive bleeding, clinically assessed.
>
> **Infection** - inflammation of the endometrium (the mucous coat of the uterus) or elevation of body temperature over 100.4 degrees for one or more days.
>
> **Retained products** - retention of some of the fetal or placental tissue in the uterus after an abortion procedure. A second procedure is required for removal.
>
> **Uterine perforation** - unintentional puncture of the uterine wall which requires intervention.

Birth Weight - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Reporting of fetal deaths to the state is required only when the gestational period is twenty weeks or more.

Gestational Period - Number of weeks elapsed between the first day of the last menstrual period and date of delivery or date of pregnancy termination. The Abortion Reporting System relies upon the physician's estimate of gestational age. With current technology (i.e., ultrasound) accuracy is plus or minus 11 days.

Induced Abortion - The purposeful interruption of pregnancy, irrespective of the duration of pregnancy, with the intention other than to produce a live born infant or to remove a dead fetus, the result of which is not a live birth. Procedures for false pregnancy, ectopic pregnancy and missed abortion (dead ovum retained in uterus in intended pregnancy) are not included.

Induced Abortion Procedures:

> **Dilatation and Evacuation (D&E)** - dilatation of the cervical canal by means of laminaria tents (sterile dried seaweed) until the cervical opening is large enough to allow removal of the uterine contents by means of a sponge forceps or some other specially designed instrument.
>
> **Hysterectomy** - removal of the uterus by surgical procedure either with the fetus inside or after the fetus is removed; usually performed when a pathological condition of the uterus, such as fibroid tumors, warrants its removal, or when a woman desires sterilization.
>
> **Hysterotomy** - surgical entry into the uterus, as in a Caesarean section, to remove a fetus too immature to survive, even with extraordinary life support measures; usually performed only if other abortion measures have failed.

Prostaglandin - induction of labor resulting in the expulsion of the fetus by administration of a substance with hormone-like action, either vaginal suppository or intra-amniotic injection.

Saline - induction of labor with eventual expulsion of the fetus by insertion of a hollow needle through the abdominal wall, withdrawal of a portion of the amniotic fluid from the uterine cavity, and subsequent replacement with a concentrated salt solution.

Sharp Curettage - dilatation of the cervical canal with scraping and removal of fetal and placental tissues by use of a curette (which resembles a small spoon). Also, surgical D&C or surgical curettage.

Suction Curettage - dilatation of the cervical canal by the successive insertion of instruments of increasing diameter called dilators until the opening is large enough to insert a flexible tube (cannula) into the uterine cavity and permit the suction removal of fetal and placental tissues by an electric vacuum pump. Also, vacuum aspiration, suction D&C, or early uterine evacuation.

Infant Death - Death of a child under one year of age.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Live Birth Order - Total number of live births to a given mother, including current birth.

Maternal Death - Death attributed to complications of pregnancy, childbirth, or the puerperium; includes abortion related death.

Neonatal Death - Death of an infant within the first 27 days of life.

Nulliparous - Having never given birth to a liveborn infant.

Occurrence Data - Data allocated by place where event occurred, regardless of the person's place of residence.

Parity - Previous live births; does not include current birth.

Perinatal Death - Fetal deaths plus deaths to infants within the first six days of life.

Premature Birth - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

Residence Data - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, fetal deaths) or patient (abortions).

Spontaneous Abortion - An unintended interruption of pregnancy the result of which is a fetal death of any gestational age. Also, miscarriage or miscarried pregnancy.

Trimester - The duration of human pregnancy, approximately 266 days, divided by 3, resulting in three equal time periods equaling 88.67 days, or 12.67 weeks, or approximately three months, each. As a useful rule-of-thumb, gestation weeks 1 through 12 are considered the first trimester of pregnancy; weeks 13 through 24, the second trimester; and over 24 weeks, the third trimester.

Rates and Ratios

Rates and ratios are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant (i.e. 1,000, 10,000, or 100,000). See below.

Abortion Rate - Number of abortions per 1,000 female population aged 15 to 44.

Abortion Ratio - Number of abortions per 1,000 live births.

Age-specific Rate - Number in event of concern for a specific age group per some fixed constant of population in that age group. For instance, the age-specific death rate is the number of deaths in a specific age group per 100,000 population in that age group. See different rates, i.e. fertility, pregnancy, abortion, for most typically used fixed constant in each rate.

Cause-specific Death Rate - Number of deaths from a specific cause per 100,000 population.

Complication Rate - Number of complication cases per 1,000 procedures; one case may have more than one complication.

(crude) Birth Rate - Number of live births per 1,000 population.

(crude) Death Rate - Number of deaths per 1,000 population.

Fertility Rate - Number of live births per 1,000 women, 15-44 years of age.

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Infant Death Rate - Number of infant deaths per 1,000 live births.

Maternal Death Rate - Number of maternal deaths per 10,000 live births.

Neonatal Death Rate - Number of neonatal deaths per 1,000 live births.

Perinatal Death Rate - Number of perinatal deaths per 1,000 live births plus fetal deaths.

Pregnancy Rate - Number of total pregnancies (live births, fetal deaths, and abortions) per 1,000 female population aged 15-44.

Appendix B

Technical Notes

Reliability Of The Data

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including underreporting or under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them. It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analyzing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

Collection Year

Data for the Vital Statistics and Induced Terminations of Pregnancy report are compiled from items on birth, death, marriage, and divorce certificates, and abortion reports received before April 15, 1988. (See Appendix F for samples.)

Interstate Exchanges

Washington State is a member of the interstate exchange agreement and receives birth and death certificates of residents who have died in other states. Although, no formal agreement exists, some states have agreed to exchange abortion reports. Out-of-state marriage and divorce certificates are not exchanged.

Population

Population data in this report are an estimate of population provided by the Washington State Office of Financial Management, April 1, 1987.

Race

The race of women obtaining induced abortions, although collected, is not useful for analysis because of the large number of reported unknowns and blanks. In 1987, "unknown" was the second largest category, amounting to more than all other racial categories combined except white among reported abortions.

The determination of race on birth and death certificates follows decision rules established by the National Center for Health Statistics (NCHS).

If more than one race is listed and one is Hawaiian, Hawaiian is selected. In cases of other races, the first non-white race listed is selected.

To determine race of newborns on birth certificates, each parent's race is first established according to the previous rules. Rules to determine race of the child, then, fall along a similar pattern:

- If either parent is Hawaiian, then the child's race is considered Hawaiian.
- In cases where one parent is white and the other non-white, the non-white race is selected as the race of the child.

- If both parents are non-white, the father's race is selected except where the mother's race is Hawaiian.

The racial category, Mexican/Chicano, is exclusive to persons who identified themselves as either Mexican, Chicano, or Mexican-American. Persons who identified themselves as Hispanic or as one of several other ethnic groups of Spanish origin, such as Cuban or Puerto Rican, were not included in this category. Using the category Mexican/Chicano as a surrogate for Spanish origin or Hispanic could result in erroneous conclusions.

Occurrence Data

The validity of occurrence death data has some limitations. As the death certificate does not specify inside or outside of corporate limits for place of death, rural deaths may be incorrectly assigned to cities because the location of death was in close proximity to a city. Informants, moreover, often are unaware of city boundaries.

Cause Of Death Classification

The causes of death presented herein are classified in accordance with the The International Classification of Diseases, Ninth Revision published by the World Health Organization. The State of Washington began using this revision January 1, 1979.

Ranking Of Leading Causes Of Death

In the interest of comparability, this summary uses, in general, the cause of death groups established by the National Center for Health Statistics (NCHS).

Low Birth Weight

Traditionally, low birth weight has been defined as 2,500 grams or less. However, the International Classification of Diseases, Ninth Revision (ICD-9) redefines low birth weight as less than 2,500 grams. Thus, 2,500 grams should now be included with the normal birth weight category. The impact of this change is minimal in the United States, where most weights are given in pounds and ounces. No weight of pounds and ounces converts exactly to 2,500 grams (5lb, 8oz is 2,495g and 5lb 9oz is 2,523g). It is, therefore, unlikely that many weights of 2,500 grams are recorded. In fact, none were found in a study of 1984 Washington State births. In the interests of consistency with past data, Washington State has chosen to continue including 2,500 grams with the low birth weight category.

Abortion Complications

Complication totals and rates of abortion procedures should be interpreted with some caution. Some incomplete reporting could have resulted where followup care was carried out after reports were filed or by another physician. In addition, when comparing total rates between years, differences in forms and data processing rules may create artificial changes. In 1987, minor complaints reported by physicians among "Other Complications" were not suppressed as in previous years. These were items, such as "unexplained pain" or "hemorrhage less than or equal to 500 cc."

Rounding

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0. Where whole numbers are used, a blank indicates none or zero.

Appendix C

Conversion of Birth Weight in Grams to Pounds and Ounces

Gramweight	Pounds and Ounces
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

Appendix D

Population of the State of Washington by Age Group by Sex, April 1, 1987

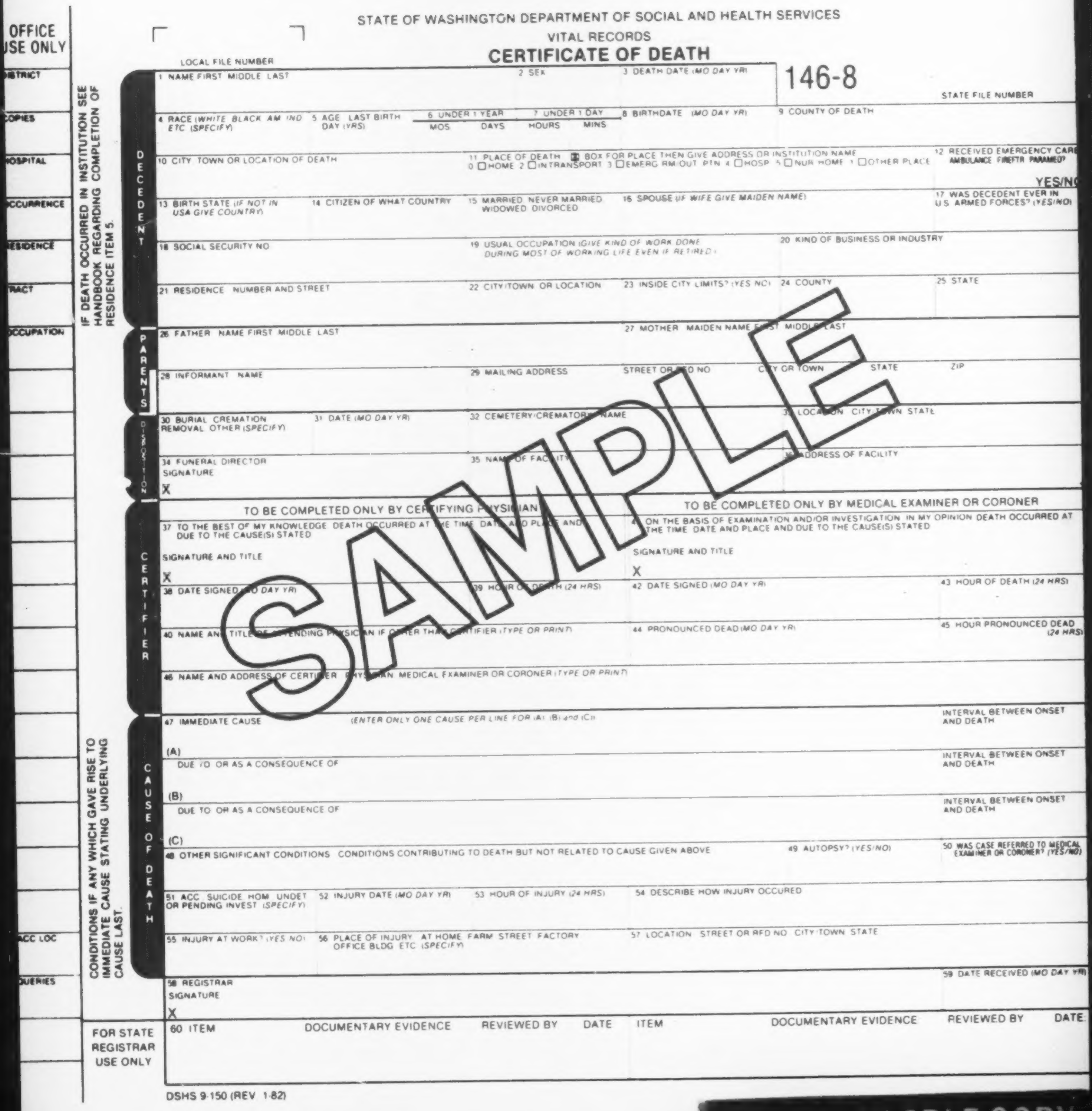
Age Group	Total	Male	Female
Total	4,481,100	2,231,023	2,250,077
Under 1 Year	70,226	35,853	34,373
1 - 4	273,969	140,536	133,433
5 - 14	619,036	316,421	302,615
15 - 19	329,225	169,000	160,225
20 - 24	343,848	176,473	167,375
25 - 34	801,211	412,723	388,488
35 - 44	701,087	353,554	347,533
45 - 54	433,478	221,378	212,100
55 - 64	381,762	183,903	197,859
65 - 74	313,022	143,200	169,822
75 - 84	161,126	62,851	98,275
85 and Over	53,110	15,131	37,979

Appendix E

Population, State of Washington, Counties, and Cities of 10,000 Population and Over, April 1, 1987

	City Total	County Total
Adams		14,000
Asotin		17,200
Benton		104,100
Kennewick	37,320	
Richland	30,280	
Chelan		48,700
Wenatchee	18,480	
Clallam		53,400
Port Angeles	17,260	
Clark		209,900
Vancouver	43,390	
Columbia		4,100
Cowlitz		79,200
Kelso	10,700	
Longview	29,520	
Douglas		23,500
Ferry		6,000
Franklin		35,500
Pasco	18,520	
Garfield		2,400
Grant		52,100
Moses Lake	10,600	
Grays Harbor		63,000
Aberdeen	17,000	
Island		52,100
Oak Harbor	13,960	
Jefferson		18,100
King		1,384,600
Auburn	30,260	
Bellevue	82,070	
Des Moines	13,790	
Kent	30,090	
Kirkland	19,430	
Mercer Island	20,760	
Redmond	30,260	
Renton	35,360	
Seattle	491,300	
Kitsap		168,600
Bremerton	32,390	
Kittitas		25,100
Ellensburg	11,500	
Klickitat		16,500
Lewis		57,100
Centralia	11,830	
Lincoln		9,700
Mason		36,000
Okanogan		31,600
Pacific		17,300
Pend Oreille		8,900
Pierce		538,000
Puyallup	19,830	
Tacoma	158,900	
San Juan		9,200
Skagit		69,500
Anacortes	10,160	
Mount Vernon	14,400	
Skamania		7,800
Snohomish		393,600
Edmonds	28,300	
Everett	60,100	
Lynnwood	24,260	
Mountlake Terrace	16,060	
Spokane		355,900
Spokane (city)	172,100	
Stevens		30,200
Thurston		145,500
Lacey	15,840	
Olympia	29,600	
Wahkiakum		3,600
Walla Walla		48,300
Walla Walla (city)		25,420
Whatcom		117,200
Bellingham	46,360	
Whitman		39,200
Pullman	22,240	
Yakima		184,400
Yakima (city)	49,600	
State Total		4,481,100

Appendix F



OFFICE
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DISTRICT

COPIES

HOSPITAL

OCCURRENCE

RESIDENCE

TRACT

OCCUPATION

ACC LOC

QUERIES

IF DEATH OCCURRED IN INSTITUTION SEE HANDBOOK REGARDING COMPLETION OF RESIDENCE ITEM 5.

CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING UNDERLYING CAUSE LAST.

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

146-8

STATE FILE NUMBER

DECEDENT

1 NAME FIRST MIDDLE LAST

2 SEX

3 DEATH DATE (*MO DAY YR*)

4 RACE (*WHITE BLACK AM IND ETC (SPECIFY)*

5 AGE LAST BIRTH DAY (*YRS*)

6 UNDER 1 YEAR MOS DAYS

7 UNDER 1 DAY HOURS MINS

8 BIRTHDATE (*MO DAY YR*)

9 COUNTY OF DEATH

10 CITY TOWN OR LOCATION OF DEATH

11 PLACE OF DEATH ☒ BOX FOR PLACE THEN GIVE ADDRESS OR INSTITUTION NAME
0 ☐ HOME 2 ☐ INTRANSPORT 3 ☐ EMERG RM/OUT PTN 4 ☐ HOSP 5 ☐ NUR HOME 1 ☐ OTHER PLACE

12 RECEIVED EMERGENCY CARE AMBULANCE FIREFTR PARAMED?
YES/NO

13 BIRTH STATE (*IF NOT IN USA GIVE COUNTRY*)

14 CITIZEN OF WHAT COUNTRY

15 MARRIED NEVER MARRIED WIDOWED DIVORCED

16 SPOUSE (*IF WIFE GIVE MAIDEN NAME*)

17 WAS DECEDENT EVER IN U S ARMED FORCES? (*YES/NO*)

18 SOCIAL SECURITY NO

19 USUAL OCCUPATION (*GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE EVEN IF RETIRED*)

20 KIND OF BUSINESS OR INDUSTRY

21 RESIDENCE NUMBER AND STREET

22 CITY/TOWN OR LOCATION

23 INSIDE CITY LIMITS? (*YES NO*)

24 COUNTY

25 STATE

PARENTS

26 FATHER NAME FIRST MIDDLE LAST

27 MOTHER MAIDEN NAME FIRST MIDDLE LAST

28 INFORMANT NAME

29 MAILING ADDRESS STREET OR RFD NO CITY OR TOWN STATE ZIP

DISPOSITION

30 BURIAL CREMATION REMOVAL OTHER (*SPECIFY*)

31 DATE (*MO DAY YR*)

32 CEMETERY/CREMATORY NAME

33 LOCATION CITY/TOWN STATE

34 FUNERAL DIRECTOR SIGNATURE
X

35 NAME OF FACILITY

36 ADDRESS OF FACILITY

CERTIFIER

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN

37 TO THE BEST OF MY KNOWLEDGE DEATH OCCURRED AT THE TIME DATE AND PLACE AND DUE TO THE CAUSE(S) STATED

SIGNATURE AND TITLE
X

38 DATE SIGNED (*MO DAY YR*)

39 HOUR OF DEATH (*24 HRS*)

40 NAME AND TITLE OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (*TYPE OR PRINT*)

TO BE COMPLETED ONLY BY MEDICAL EXAMINER OR CORONER

41 ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION IN MY OPINION DEATH OCCURRED AT THE TIME DATE AND PLACE AND DUE TO THE CAUSE(S) STATED

SIGNATURE AND TITLE
X

42 DATE SIGNED (*MO DAY YR*)

43 HOUR OF DEATH (*24 HRS*)

44 PRONOUNCED DEAD (*MO DAY YR*)

45 HOUR PRONOUNCED DEAD (*24 HRS*)

46 NAME AND ADDRESS OF CERTIFIER PHYSICIAN MEDICAL EXAMINER OR CORONER (*TYPE OR PRINT*)

CAUSE OF DEATH

47 IMMEDIATE CAUSE (*ENTER ONLY ONE CAUSE PER LINE FOR (A) (B) and (C)*)

(A)

INTERVAL BETWEEN ONSET AND DEATH

DUE TO OR AS A CONSEQUENCE OF

(B)

INTERVAL BETWEEN ONSET AND DEATH

DUE TO OR AS A CONSEQUENCE OF

(C)

INTERVAL BETWEEN ONSET AND DEATH

48 OTHER SIGNIFICANT CONDITIONS CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN ABOVE

49 AUTOPSY? (*YES/NO*)

50 WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER? (*YES/NO*)

51 ACC SUICIDE HOM UNDET OR PENDING INVEST (*SPECIFY*)

52 INJURY DATE (*MO DAY YR*)

53 HOUR OF INJURY (*24 HRS*)

54 DESCRIBE HOW INJURY OCCURED

55 INJURY AT WORK? (*YES NO*)

56 PLACE OF INJURY AT HOME FARM STREET FACTORY OFFICE BLDG ETC (*SPECIFY*)

57 LOCATION STREET OR RFD NO CITY/TOWN STATE

58 REGISTRAR SIGNATURE
X

59 DATE RECEIVED (*MO DAY YR*)

FOR STATE REGISTRAR USE ONLY

60 ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE	ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE

DSHS 9-150 (REV 1-82)

SAMPLE

BEST AVAILABLE COPY

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP
Q.
R.
S.
T.
U.
V.
W.
X.
Y.
Z.
AA. QUERIES
BB.
CC.

000301 -87

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

146-8

CERTIFICATE OF LIVE BIRTH

SAMPLE

LOCAL FILE NUMBER

STATE FILE NUMBER

1. CHILD'S NAME First Middle Last
2. SEX
3. DATE OF BIRTH Mo. Day Yr.
4. HOUR
5. TYPE OF BIRTHPLACE (SPECIFY TYPE) ☐ 1 HOSPITAL ☐ 3 BIRTH CENTER ☐ 5 HOME ☐ 2 ENROUTE ☐ 4 OTH. MED. FACIL. ☐ 6 OTHER
6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS
7. CITY/TOWN/LOCATION
8. COUNTY OF BIRTH
9. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF
X
10. DATE SIGNED Mo. Day Yr.
11. NAME, TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (TYPE OR PRINT)
12. CERTIFIER — NAME AND TITLE (Type or print)
13. MAILING ADDRESS (STREET/BOX NO. CITY, STATE, ZIP CODE)
14. FATHER'S NAME First Middle Last
15. AGE (AT TIME OF THIS BIRTH)
16. STATE OF BIRTH (IF NOT USA GIVE COUNTRY)
17. MOTHER'S NAME First Middle MAIDEN
18. AGE (AT TIME OF THIS BIRTH)
19. STATE OF BIRTH (IF NOT USA GIVE COUNTRY)
20. RESIDENCE (NUMBER AND STREET)
21. CITY/TOWN/LOCATION
22. INSIDE CITY LIMITS (YES/NO)
23. COUNTY
24. STATE
25. MOTHER'S MAILING ADDRESS (IF SAME AS ABOVE ENTER ZIP CODE ONLY)
26. NAME OF INFORMANT (TYPE OR PRINT)
27. RELATION TO CHILD
28. DATE RECEIVED BY LOCAL REGISTRAR
29. REGISTRAR (SIGNATURE)
30. DATE RECEIVED BY STATE REGISTRAR
31. RECORD AMENDMENT (STATE REGISTRAR USE ONLY)

ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE	ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE

TYPE OR PRINT LEGAL PORTION IN PERMANENT BLACK INK

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY—DETACHED FROM CERTIFICATE BEFORE PERMANENT FILING.

FATHER
32. RACE (White, Black, American Indian, etc.) (specify)
33. OCCUPATION (Indicate most recent employment) (Pressman, painter, computer programmer) (specify)
34. TYPE OF BUSINESS OR INDUSTRY (paper mill, house construction, nuclear) (specify)

MOTHER
35. RACE (White, Black, American Indian, etc.) (specify)
36. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)
37. TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)
38. IS MOTHER MARRIED? ☐ Yes ☐ No

39. PRIOR LIVE BIRTHS (DO NOT INCLUDE THIS BIRTH)
☐ NONE

	NOW LIVING	NOW DEAD
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.)

40. OTHER PREGNANCY OUTCOMES (NOT LIVE BIRTHS)
☐ NONE

	SPONTANEOUS	INDUCED (Any Gest. Age)
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.)

41. TOTAL PRIOR PREGNANCIES
42. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.
43. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)
44. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)
45. AMNIOCENTESIS (Indicate Trimester) ☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown
46. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? ☐ Yes ☐ No ☐ Unknown
47. THIS BIRTH (single, twin, etc.)
48. IF NOT SINGLE (Born 1st, 2nd, etc.)
49. BIRTH WEIGHT
50. APGAR SCORE 1 Min. 5 Min.
51. WAS BABY TRANSFERRED TO ANOTHER FACILITY? ☐ Yes ☐ No ☐ Unknown

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY

52. COMPLICATIONS DURING OR RELATED TO PREGNANCY (MATERNAL)
- ☐ 0. None
- ☐ 1. Diabetes (gestational)
- ☐ 2. Diabetes (established)
- ☐ 3. Chronic hypertension
- ☐ 4. Pyelonephritis
- ☐ 5. Epilepsy
- ☐ 6. Preeclampsia
- ☐ 7. Eclampsia
- ☐ 8. Rh sensitization
- ☐ 9. Herpes–Active___ Hx___
- ☐ 10. Syphilis
- ☐ 11. Rubella
- ☐ 12. Polyhydramnios
- ☐ 13. Other (specify)

53. COMPLICATIONS OF LABOR
- ☐ 0. None
- ☐ 1. Abruptio placenta
- ☐ 2. Placenta previa
- ☐ 3. Rupture of uterus
- ☐ 4. Cord prolapse
- ☐ 5. Membranes ruptured > 24hrs.
- ☐ 6. Breech
- ☐ 7. Cephalopelvic disproportion
- ☐ 8. Prolonged labor
- ☐ 9. Augmented labor
- ☐ 10. Other (specify below)

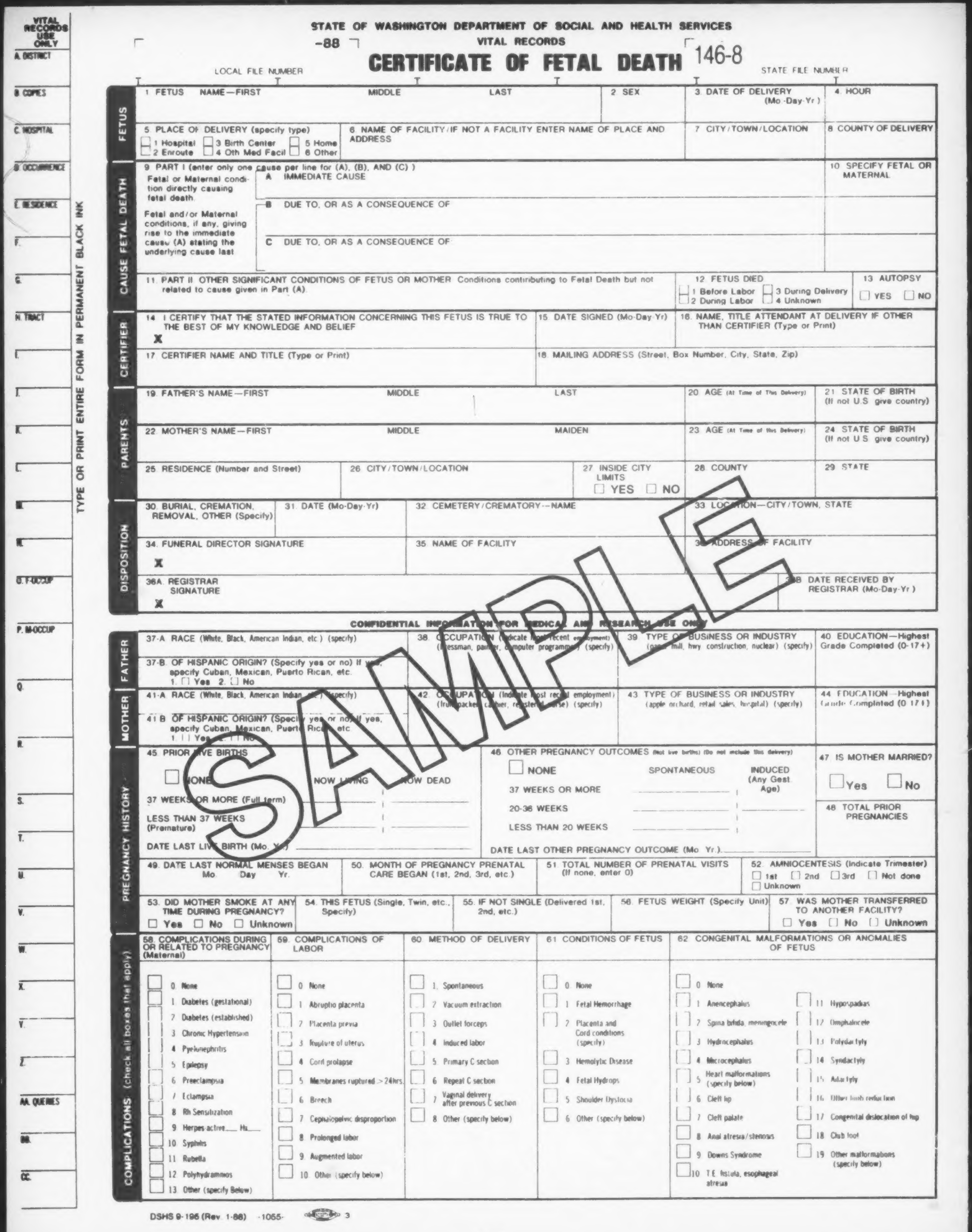
54. METHOD OF DELIVERY
- ☐ 1. Spontaneous
- ☐ 2. Vacuum extraction
- ☐ 3. Outlet forceps
- ☐ 4. Induced labor
- ☐ 5. Primary C-section
- ☐ 6. Repeat C-section
- ☐ 7. Vaginal delivery after previous C-section
- ☐ 8. Other (specify below)

55. CONDITIONS OF NEWBORN
- ☐ 0. None
- ☐ 1. Hyaline membrane/RDS
- ☐ 2. Sepsis (documented)
- ☐ 3. Seizures
- ☐ 4. Fetal distress/asphyxia
- ☐ 5. Erb's palsy
- ☐ 6. Other birth injuries (specify below)
- ☐ 7. Hemolytic disease
- ☐ 8. Fetal alcohol syndrome
- ☐ 9. Jaundice (bilirubin > 10)
- ☐ 10. Other (specify below)

56. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD
- ☐ 0. None
- ☐ 1. Anencephalus
- ☐ 2. Spina bifida, meningocele
- ☐ 3. Hydrocephalus
- ☐ 4. Microcephalus
- ☐ 5. Patent ductus arteriosus
- ☐ 6. Other heart malformations (specify below)
- ☐ 7. Cleft lip
- ☐ 8. Cleft palate
- ☐ 9. Anal atresia/stenosis
- ☐ 10. T.E. fistula, esophageal atresia
- ☐ 11. Hypospadias
- ☐ 12. Omphalocele
- ☐ 13. Polydactyly
- ☐ 14. Syndactyly
- ☐ 15. Adactyly
- ☐ 16. Other limb reduction
- ☐ 17. Congenital dislocation of hip
- ☐ 18. Club foot
- ☐ 19. Down's syndrome
- ☐ 20. Other malformations (specify below)

DSHS 9-192 (Rev. 10/84) -913- 3

FOR SPECIFIC ITEM INSTRUCTIONS SEE HOSPITAL HANDBOOK



VITAL RECORDS USE ONLY

A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP
Q.
R.
S.
T.
U.
V.
W.
X.
Y.
Z.
AA. QUERIES
BB.
CC.

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF FETAL DEATH

-88 LOCAL FILE NUMBER

146-8 STATE FILE NUMBER

SAMPLE

FETUS

1 FETUS NAME—FIRST MIDDLE LAST

2 SEX

3 DATE OF DELIVERY (Mo.-Day-Yr.)

4 HOUR

5 PLACE OF DELIVERY (specify type) ☐ 1 Hospital ☐ 2 Enroute ☐ 3 Birth Center ☐ 4 Oth Med Facil ☐ 5 Home ☐ 6 Other

6 NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS

7 CITY/TOWN/LOCATION

8 COUNTY OF DELIVERY

CAUSE FETAL DEATH

9 PART I (enter only one cause per line for (A), (B), AND (C))

Fetal or Maternal condition directly causing fetal death. A IMMEDIATE CAUSE

Fetal and/or Maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last

B DUE TO, OR AS A CONSEQUENCE OF

C DUE TO, OR AS A CONSEQUENCE OF

10 SPECIFY FETAL OR MATERNAL

11. PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER Conditions contributing to Fetal Death but not related to cause given in Part (A).

12 FETUS DIED ☐ 1 Before Labor ☐ 2 During Labor ☐ 3 During Delivery ☐ 4 Unknown

13 AUTOPSY ☐ YES ☐ NO

CERTIFIER

14 I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS FETUS IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF

X

15 DATE SIGNED (Mo-Day-Yr)

16. NAME, TITLE ATTENDANT AT DELIVERY IF OTHER THAN CERTIFIER (Type or Print)

17 CERTIFIER NAME AND TITLE (Type or Print)

18 MAILING ADDRESS (Street, Box Number, City, State, Zip)

PARENTS

19 FATHER'S NAME—FIRST MIDDLE LAST

20 AGE (At Time of This Delivery)

21 STATE OF BIRTH (If not U.S. give country)

22 MOTHER'S NAME—FIRST MIDDLE MAIDEN

23 AGE (At Time of this Delivery)

24 STATE OF BIRTH (If not U.S. give country)

25 RESIDENCE (Number and Street)

26 CITY/TOWN/LOCATION

27 INSIDE CITY LIMITS ☐ YES ☐ NO

28 COUNTY

29 STATE

DISPOSITION

30. BURIAL, CREMATION, REMOVAL, OTHER (Specify)

31. DATE (Mo-Day-Yr)

32 CEMETERY/CREMATORY—NAME

33 LOCATION—CITY/TOWN, STATE

34. FUNERAL DIRECTOR SIGNATURE

X

35 NAME OF FACILITY

36 ADDRESS OF FACILITY

36A. REGISTRAR SIGNATURE

X

36B DATE RECEIVED BY REGISTRAR (Mo-Day-Yr.)

CONFIDENTIAL INFORMATION FOR MEDICAL AND RESEARCH USE ONLY

FATHER

37-A RACE (White, Black, American Indian, etc.) (specify)

37-B. OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1. ☐ Yes 2. ☐ No

38. OCCUPATION (Indicate most recent employment) (Pressman, painter, computer programmer) (specify)

39 TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy construction, nuclear) (specify)

40 EDUCATION—Highest Grade Completed (0-17+)

MOTHER

41-A RACE (White, Black, American Indian, etc.) (specify)

41-B OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc 1. ☐ Yes 2. ☐ No

42. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)

43 TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)

44 EDUCATION—Highest Grade Completed (0-17+)

PREGNANCY HISTORY

45 PRIOR LIVE BIRTHS

	NOW LIVING	NOW DEAD
☐ NONE		
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.) ______

46 OTHER PREGNANCY OUTCOMES (Not live births) (Do not include this delivery)

	SPONTANEOUS	INDUCED (Any Gest. Age)
☐ NONE		
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.) ______

47 IS MOTHER MARRIED? ☐ Yes ☐ No

48 TOTAL PRIOR PREGNANCIES

49. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.

50. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)

51 TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)

52. AMNIOCENTESIS (Indicate Trimester) ☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown

53. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? ☐ Yes ☐ No ☐ Unknown

54. THIS FETUS (Single, Twin, etc., Specify)

55. IF NOT SINGLE (Delivered 1st, 2nd, etc.)

56. FETUS WEIGHT (Specify Unit)

57. WAS MOTHER TRANSFERRED TO ANOTHER FACILITY? ☐ Yes ☐ No ☐ Unknown

COMPLICATIONS (check all boxes that apply)

58. COMPLICATIONS DURING OR RELATED TO PREGNANCY (Maternal)
- ☐ 0 None
- ☐ 1 Diabetes (gestational)
- ☐ 2 Diabetes (established)
- ☐ 3 Chronic Hypertension
- ☐ 4 Pyelonephritis
- ☐ 5 Epilepsy
- ☐ 6 Preeclampsia
- ☐ 7 Eclampsia
- ☐ 8 Rh Sensitization
- ☐ 9 Herpes-active___ Hx___
- ☐ 10 Syphilis
- ☐ 11 Rubella
- ☐ 12 Polyhydramnios
- ☐ 13 Other (specify Below)

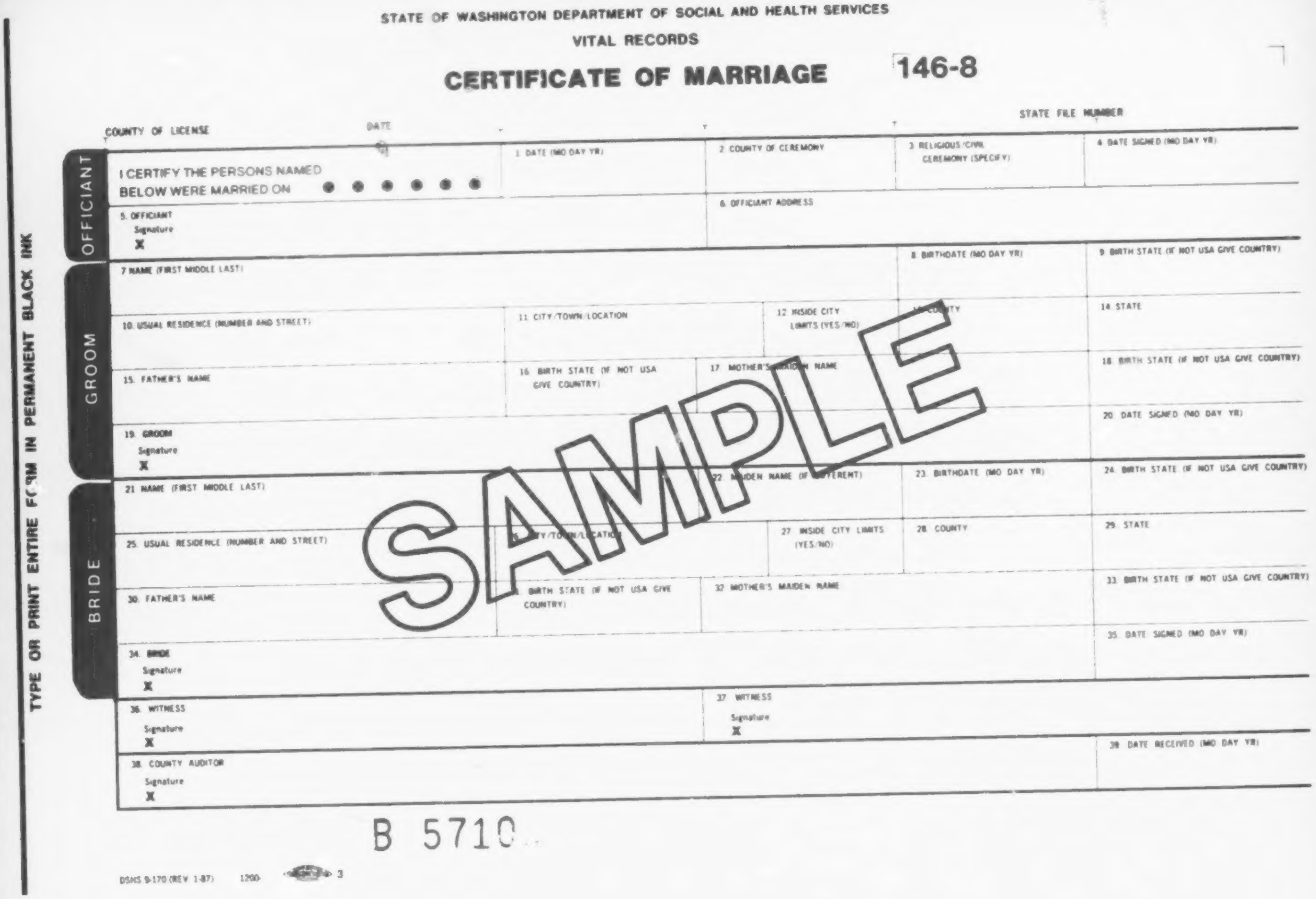
59. COMPLICATIONS OF LABOR
- ☐ 0 None
- ☐ 1 Abruptio placenta
- ☐ 2 Placenta previa
- ☐ 3 Rupture of uterus
- ☐ 4 Cord prolapse
- ☐ 5 Membranes ruptured > 24hrs.
- ☐ 6 Breech
- ☐ 7 Cephalopelvic disproportion
- ☐ 8 Prolonged labor
- ☐ 9 Augmented labor
- ☐ 10 Other (specify below)

60 METHOD OF DELIVERY
- ☐ 1. Spontaneous
- ☐ 2 Vacuum extraction
- ☐ 3 Outlet forceps
- ☐ 4 Induced labor
- ☐ 5 Primary C section
- ☐ 6 Repeat C section
- ☐ 7 Vaginal delivery after previous C section
- ☐ 8 Other (specify below)

61 CONDITIONS OF FETUS
- ☐ 0 None
- ☐ 1 Fetal Hemorrhage
- ☐ 2 Placenta and Cord conditions (specify)
- ☐ 3 Hemolytic Disease
- ☐ 4 Fetal Hydrops
- ☐ 5 Shoulder Dystocia
- ☐ 6 Other (specify below)

62 CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS
- ☐ 0 None
- ☐ 1 Anencephalus
- ☐ 2 Spina bifida, meningocele
- ☐ 3 Hydrocephalus
- ☐ 4 Microcephalus
- ☐ 5 Heart malformations (specify below)
- ☐ 6 Cleft lip
- ☐ 7 Cleft palate
- ☐ 8 Anal atresia/stenosis
- ☐ 9 Downs Syndrome
- ☐ 10 T.E. fistula, esophageal atresia
- ☐ 11 Hypospadias
- ☐ 12 Omphalocele
- ☐ 13 Polydactyly
- ☐ 14 Syndactyly
- ☐ 15 Adactyly
- ☐ 16 Other limb reduction
- ☐ 17 Congenital dislocation of hip
- ☐ 18 Club foot
- ☐ 19 Other malformations (specify below)

DSHS 9-196 (Rev. 1-88) -1055- 3



STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF MARRIAGE

146-8

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

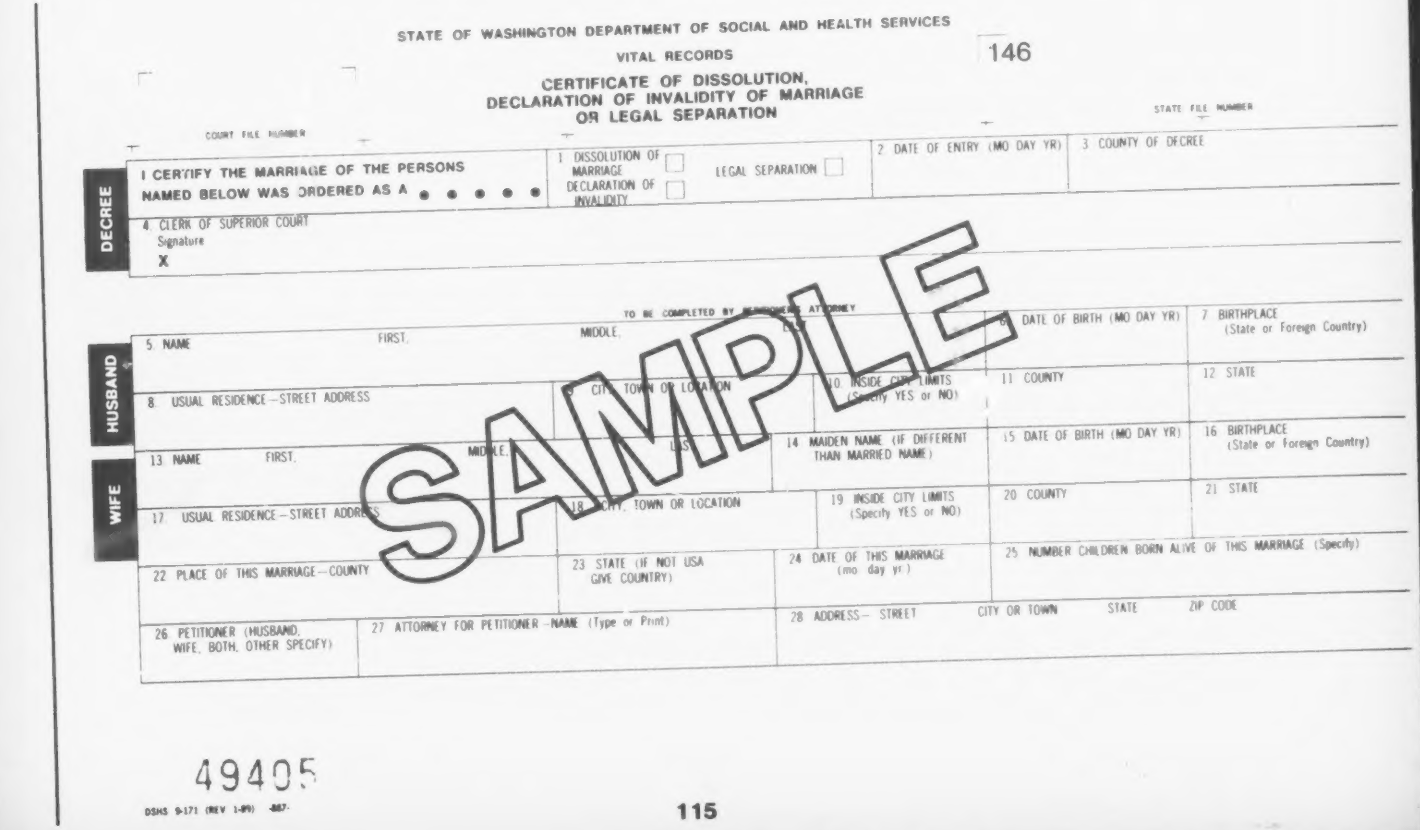
COUNTY OF LICENSE DATE STATE FILE NUMBER

OFFICIANT	I CERTIFY THE PERSONS NAMED BELOW WERE MARRIED ON ● ● ● ● ● ●	1. DATE (MO DAY YR)	2. COUNTY OF CEREMONY	3. RELIGIOUS/CIVIL CEREMONY (SPECIFY)	4. DATE SIGNED (MO DAY YR)
	5. OFFICIANT Signature X		6. OFFICIANT ADDRESS		
GROOM	7 NAME (FIRST MIDDLE LAST)			8. BIRTHDATE (MO DAY YR)	9. BIRTH STATE (IF NOT USA GIVE COUNTRY)
	10. USUAL RESIDENCE (NUMBER AND STREET)	11. CITY/TOWN/LOCATION	12. INSIDE CITY LIMITS (YES/NO)	COUNTY	14. STATE
	15. FATHER'S NAME	16. BIRTH STATE (IF NOT USA GIVE COUNTRY)	17. MOTHER'S MAIDEN NAME		18. BIRTH STATE (IF NOT USA GIVE COUNTRY)
	19. GROOM Signature X				20. DATE SIGNED (MO DAY YR)
BRIDE	21. NAME (FIRST MIDDLE LAST)		22. MAIDEN NAME (IF DIFFERENT)	23. BIRTHDATE (MO DAY YR)	24. BIRTH STATE (IF NOT USA GIVE COUNTRY)
	25. USUAL RESIDENCE (NUMBER AND STREET)	CITY/TOWN/LOCATION	27. INSIDE CITY LIMITS (YES/NO)	28. COUNTY	29. STATE
	30. FATHER'S NAME	BIRTH STATE (IF NOT USA GIVE COUNTRY)	32. MOTHER'S MAIDEN NAME		33. BIRTH STATE (IF NOT USA GIVE COUNTRY)
	34. BRIDE Signature X				35. DATE SIGNED (MO DAY YR)
	36. WITNESS Signature X		37. WITNESS Signature X		
	38. COUNTY AUDITOR Signature X				39. DATE RECEIVED (MO DAY YR)

SAMPLE

B 5710

DSHS 9-170 (REV 1-87) 1200- 3



STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF DISSOLUTION, DECLARATION OF INVALIDITY OF MARRIAGE OR LEGAL SEPARATION

146

COURT FILE NUMBER STATE FILE NUMBER

DECREE	I CERTIFY THE MARRIAGE OF THE PERSONS NAMED BELOW WAS ORDERED AS A ● ● ● ● ●	1. DISSOLUTION OF MARRIAGE ☐ DECLARATION OF INVALIDITY ☐	LEGAL SEPARATION ☐	2. DATE OF ENTRY (MO DAY YR)	3. COUNTY OF DECREE
	4. CLERK OF SUPERIOR COURT Signature X				

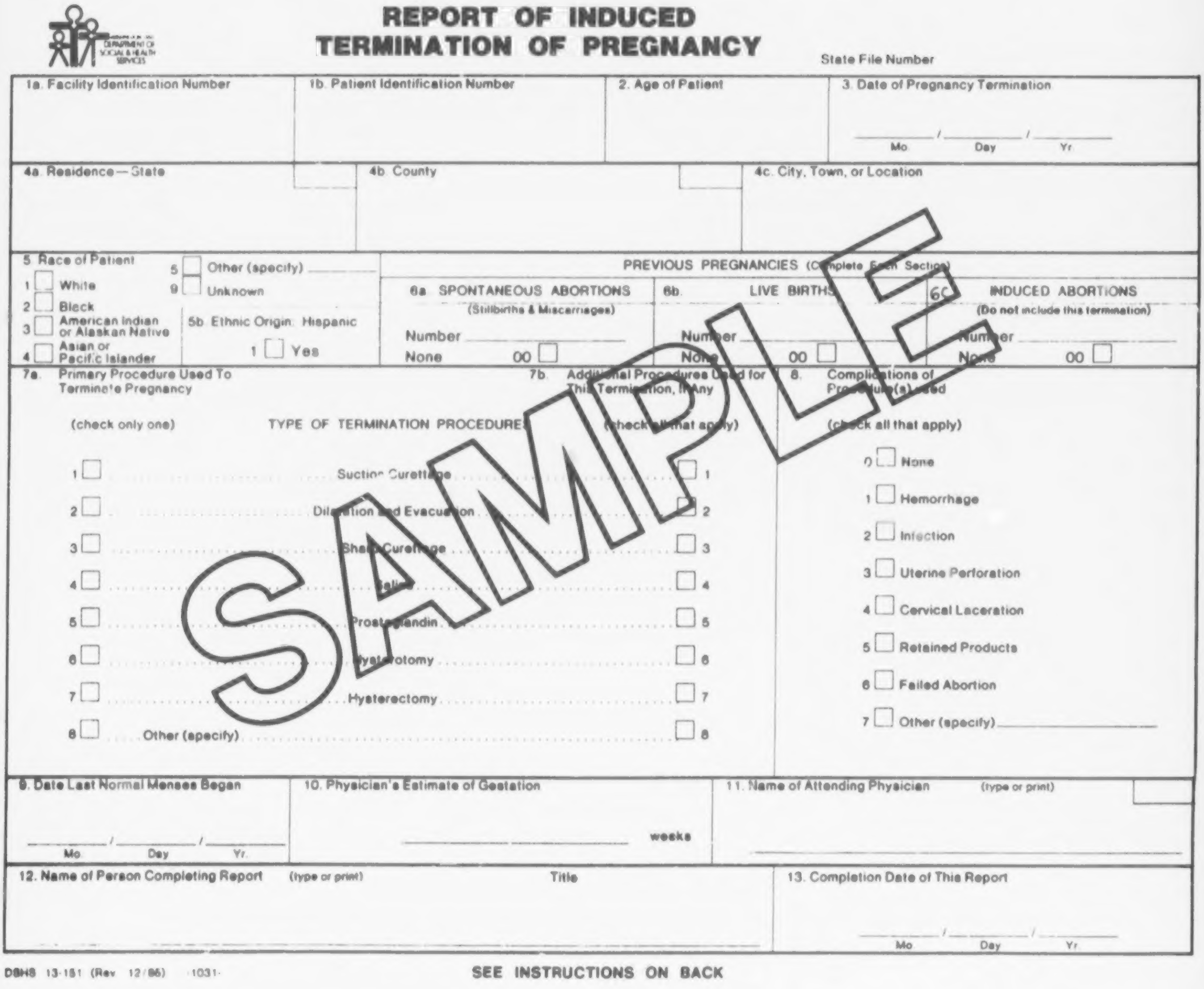
TO BE COMPLETED BY [illegible] ATTORNEY

HUSBAND	5. NAME FIRST, MIDDLE, LAST			DATE OF BIRTH (MO DAY YR)	7. BIRTHPLACE (State or Foreign Country)
	8. USUAL RESIDENCE—STREET ADDRESS	CITY, TOWN OR LOCATION	10. INSIDE CITY LIMITS (Specify YES or NO)	11. COUNTY	12. STATE
WIFE	13. NAME FIRST, MIDDLE, LAST		14. MAIDEN NAME (IF DIFFERENT THAN MARRIED NAME)	15. DATE OF BIRTH (MO DAY YR)	16. BIRTHPLACE (State or Foreign Country)
	17. USUAL RESIDENCE—STREET ADDRESS	18. CITY, TOWN OR LOCATION	19. INSIDE CITY LIMITS (Specify YES or NO)	20. COUNTY	21. STATE
	22. PLACE OF THIS MARRIAGE—COUNTY	23. STATE (IF NOT USA GIVE COUNTRY)	24. DATE OF THIS MARRIAGE (mo day yr)	25. NUMBER CHILDREN BORN ALIVE OF THIS MARRIAGE (Specify)	
	26. PETITIONER (HUSBAND, WIFE, BOTH, OTHER SPECIFY)	27. ATTORNEY FOR PETITIONER—NAME (Type or Print)	28. ADDRESS— STREET CITY OR TOWN STATE ZIP CODE		

SAMPLE

49405

DSHS 9-171 (REV 1-89) -887-



DEPARTMENT OF SOCIAL & HEALTH SERVICES

REPORT OF INDUCED TERMINATION OF PREGNANCY

State File Number

1a. Facility Identification Number	1b. Patient Identification Number	2. Age of Patient	3. Date of Pregnancy Termination _____ / _____ / _____ Mo Day Yr

4a. Residence—State	4b. County	4c. City, Town, or Location

5. Race of Patient
1 ☐ White
2 ☐ Black
3 ☐ American Indian or Alaskan Native
4 ☐ Asian or Pacific Islander
5 ☐ Other (specify) _____
9 ☐ Unknown

5b. Ethnic Origin: Hispanic
1 ☐ Yes

PREVIOUS PREGNANCIES (Complete Each Section)

6a. SPONTANEOUS ABORTIONS (Stillbirths & Miscarriages)	6b. LIVE BIRTHS	6c. INDUCED ABORTIONS (Do not include this termination)
Number _____	Number _____	Number _____
None 00 ☐	None 00 ☐	None 00 ☐

7a. Primary Procedure Used To Terminate Pregnancy (check only one)	TYPE OF TERMINATION PROCEDURES	7b. Additional Procedures Used for This Termination, If Any (check all that apply)
1 ☐	Suction Curettage	☐ 1
2 ☐	Dilatation and Evacuation	☐ 2
3 ☐	Sharp Curettage	☐ 3
4 ☐	Saline	☐ 4
5 ☐	Prostaglandin	☐ 5
6 ☐	Hysterotomy	☐ 6
7 ☐	Hysterectomy	☐ 7
8 ☐	Other (specify)	☐ 8

8. Complications of Procedure(s) used (check all that apply)
0 ☐ None
1 ☐ Hemorrhage
2 ☐ Infection
3 ☐ Uterine Perforation
4 ☐ Cervical Laceration
5 ☐ Retained Products
6 ☐ Failed Abortion
7 ☐ Other (specify) _____

9. Date Last Normal Menses Began _____ / _____ / _____ Mo Day Yr	10. Physician's Estimate of Gestation _____ weeks	11. Name of Attending Physician (type or print)

12. Name of Person Completing Report (type or print)	Title	13. Completion Date of This Report _____ / _____ / _____ Mo Day Yr

DSHS 13-151 (Rev. 12/86) ·1031·

SEE INSTRUCTIONS ON BACK

SAMPLE

B90 58363-1

ATTENTION

The attached page has been prepared to correct errors in Report: Vital Statistics and Induced Terminations of Pregnancy, Washington State 1987. Please insert this corrected table in your 1987 Summary.

Errata issued 8/90

Table 8

Deaths by Age Group by Place of Residence, Washington State 1987

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 And Over	Age Unk
State Total	34967	681	136	179	294	381	951	1173	1691	4106	7994	9617	7753	9
Adams	100	2	–	–	2	1	1	5	8	13	23	25	20	–
Asotin	163	8	–	–	–	–	5	8	7	14	33	44	44	–
Benton	659	17	4	4	6	8	21	13	32	104	161	187	102	–
Kennewick	289	10	3	2	2	5	12	5	9	40	70	87	44	–
Richland	202	6	1	–	1	3	4	5	9	37	45	61	30	–
Chelan	431	10	2	2	7	6	8	10	14	32	105	128	107	–
Wenatchee	221	6	1	1	–	3	5	6	4	12	54	64	65	–
Clallam	589	14	3	3	10	7	8	20	29	69	142	162	122	–
Port Angeles	213	4	–	1	5	3	3	11	9	21	39	64	53	–
Clark	1486	16	7	6	19	20	30	57	78	193	353	423	284	–
Vancouver	591	5	3	1	9	11	7	16	33	77	124	171	134	–
Columbia	41	–	–	–	–	–	–	1	–	5	8	13	14	–
Cowlitz	713	9	–	1	7	12	19	21	30	81	159	192	181	1
Kelso	126	3	–	1	–	4	5	3	6	18	26	30	30	–
Longview	349	3	–	–	5	2	10	12	12	32	80	97	96	–
Douglas	189	2	–	2	3	4	4	8	6	15	53	61	31	–
Ferry	48	1	–	–	2	2	2	2	1	5	12	8	13	–
Franklin	239	2	2	2	3	9	11	8	12	34	54	61	41	–
Pasco	175	2	1	1	1	7	8	4	8	21	46	45	31	–
Garfield	23	–	–	–	1	–	–	1	–	–	10	8	3	–
Grant	363	10	4	5	4	7	9	9	17	49	82	100	67	–
Moses Lake	98	4	–	1	1	1	2	5	5	21	23	19	16	–
Grays Harbor	697	12	1	3	4	3	11	18	25	87	189	202	142	–
Aberdeen	242	4	–	1	1	2	5	8	6	26	65	65	59	–
Island	397	4	2	2	3	1	5	10	12	51	131	110	66	–
Oak Harbor	83	2	1	–	1	–	1	3	3	15	25	14	18	–
Jefferson	173	2	–	4	1	3	2	7	5	16	49	42	42	–
King	10226	188	35	50	64	84	322	381	525	1175	2252	2793	2353	4
Auburn	288	4	3	–	2	2	5	10	15	41	68	87	51	–
Bellevue	479	11	–	1	3	6	19	13	23	63	117	122	101	–
Des Moines	123	–	–	–	1	1	3	3	5	7	21	30	52	–
Kent	179	7	1	1	3	3	9	2	15	17	51	46	24	–
Kirkland	204	2	–	1	–	2	6	4	9	24	48	52	56	–
Mercer Island	114	–	1	1	2	1	–	1	8	12	25	32	31	–
Redmond	130	3	–	1	1	4	5	5	6	16	26	37	26	–
Renton	267	11	2	–	–	–	7	6	11	41	64	66	59	–
Seattle	5188	80	14	15	19	35	172	195	214	532	1082	1494	1334	2
Kitsap	1129	27	3	3	8	12	29	46	64	138	257	309	233	–
Bremerton	372	12	2	1	1	7	14	14	13	38	78	96	96	–
Kittitas	196	4	1	1	1	2	4	7	10	21	54	55	36	–
Ellensburg	93	3	–	–	–	–	3	4	2	6	21	30	24	–
Klickitat	137	2	–	–	–	5	6	7	6	12	31	37	31	–
Lewis	569	8	3	2	6	7	11	11	18	61	147	151	144	–
Centralia	207	1	–	–	3	–	1	4	6	17	49	52	74	–
Lincoln	123	–	1	2	1	1	2	2	8	16	21	26	43	–
Mason	303	3	1	2	4	3	10	9	14	34	95	70	58	–
Okanogan	294	7	–	2	6	4	8	11	8	28	72	78	70	–
Pacific	262	–	–	3	2	4	7	7	4	32	62	89	52	–
Pend Oreille	87	–	–	1	–	3	1	–	4	8	30	30	10	–
Pierce	4060	110	22	20	37	50	121	142	222	530	934	1034	836	2
Puyallup	231	4	–	–	1	1	1	6	14	17	47	67	73	–
Tacoma	1769	48	6	6	14	19	50	55	83	206	383	463	436	–
San Juan	80	–	–	–	–	–	1	2	4	12	17	28	16	–
Skagit	685	13	2	1	4	5	10	28	36	74	156	187	171	–
Anacortes	138	1	1	–	2	1	2	–	6	13	24	49	39	–
Mount Vernon	172	2	–	–	–	1	2	5	10	18	31	43	60	–
Skamania	64	–	–	1	1	–	3	4	7	5	13	19	11	–
Snohomish	2695	73	17	16	23	26	79	94	143	329	587	724	583	1
Edmonds	281	2	2	2	–	–	2	8	8	37	53	89	78	–
Everett	863	22	6	5	4	6	25	19	26	75	135	184	156	–
Lynnwood	203	7	1	–	2	2	6	8	11	26	47	48	45	–
Mountlake Terrace	90	5	1	–	–	1	–	7	8	19	15	27	7	–
Spokane	3126	64	7	17	25	32	89	92	148	358	840	896	758	–
Spokane (city)	2008	36	6	5	12	19	55	53	85	222	397	600	518	–
Stevens	248	3	–	3	4	3	9	10	8	25	62	63	58	–
Thurston	1065	13	5	7	8	11	18	42	42	137	253	282	247	–
Lacey	186	2	1	–	1	–	1	3	4	23	29	58	64	–
Olympia	365	3	1	1	2	2	7	16	7	39	80	108	99	–
Wahkiakum	37	–	–	–	–	–	–	–	3	1	10	17	6	–
Walla Walla	509	11	1	–	3	3	16	11	16	44	110	153	141	–
Walla Walla (city)	315	7	1	–	1	3	8	9	11	30	63	104	78	–
Whatcom	910	18	4	1	6	14	21	22	32	91	213	263	225	–
Bellingham	482	6	1	–	1	7	9	10	12	50	102	155	129	–
Whitman	244	4	–	1	–	4	9	6	13	22	50	80	55	
Pullman	55	2	–	1	–	–	5	3	4	3	11	15	11	
Yakima	1607	24	9	12	19	25	39	43	80	187	364	467	[illegible]	
Yakima (city)	617	6	2	1	4	7	10	14	29	71	127	190	[illegible]	

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Report:

VITAL STATISTICS AND INDUCED TERMINATIONS OF PREGNANCY

1988

1889

DEPARTMENT OF HEALTH
State of Washington

Vital Statistics

and

Induced Terminations of Pregnancy

Washington State

1988

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Introduction

This *Report: of Vital Statistics and Induced Terminations of Pregnancy 1988* contains a summary presentation, in tabular form, of the vital events (birth, death, marriage, divorce) and induced terminations which occurred during the calendar year 1988. In the interest of easy comparison, essentially the same format of tabular presentation has been continued as was used in previous reports, with the following exception:

Data on Hispanic origin have been added to Birth tables 1A, 2, and 8 and Death tables 1A, 1B, 7, and 22. In past summaries, the only Hispanic data were provided by a racial entry of 'Mexican/Chicano'. This change provides more complete coverage of the Hispanic population and emphasizes the fact that persons of Hispanic origin may be of any race. Because of this change, the 1988 Hispanic origin data are not comparable to previous entries of 'Mexican/Chicano' and should not be used in conjunction with these earlier data to study trends.

Two tables have been dropped from the Induced Terminations of Pregnancy chapter. They were tables showing complications by 1) type of procedure and 2)gestation of pregnancy over a five year period. Methods of tabulating complications have changed over the past five years. Such data, therefore, would be misleading.

For those who find that the data in this report do not meet all their needs, additional data are available and can be obtained by calling Statistics at (206)753-5938.

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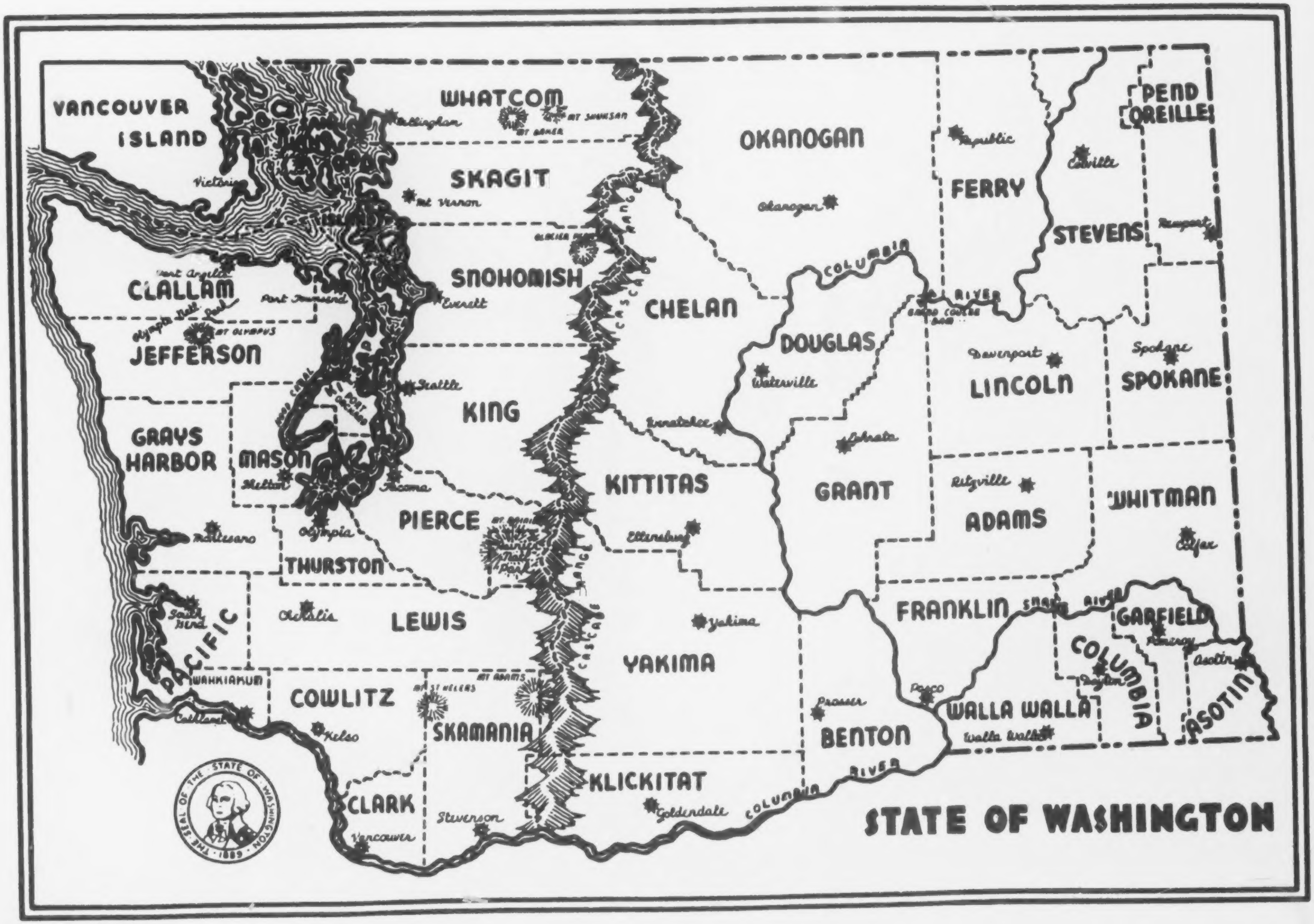

STATE OF WASHINGTON
VANCOUVER ISLAND
Victoria
WHATCOM
Bellingham
MT BAKER
MT SHUKSAN
SKAGIT
Mt Vernon
GLACIER PK
SNOHOMISH
Everett
CLALLAM
Port Angeles
Port Townsend
Olympic Natl Park
MT OLYMPUS
JEFFERSON
HOOD CANAL
KITSAP
PORT ORCHARD
Seattle
KING
GRAYS HARBOR
Montesano
MASON
Shelton
Tacoma
Olympia
PIERCE
MT RAINIER
Natl Park
THURSTON
South Bend
PACIFIC
Chehalis
LEWIS
WAHKIAKUM
Cathlamet
COWLITZ
Kelso
MT ST HELENS
MT ADAMS
SKAMANIA
Stevenson
CLARK
Vancouver
CASCADE RANGE
OKANOGAN
Okanogan
CHELAN
Wenatchee
DOUGLAS
Waterville
KITTITAS
Ellensburg
YAKIMA
Yakima
KLICKITAT
Goldendale
COLUMBIA RIVER
GRAND COULEE DAM
GRANT
Ephrata
BENTON
Prosser
FERRY
Republic
STEVENS
Colville
PEND OREILLE
Newport
LINCOLN
Davenport
SPOKANE
Spokane
ADAMS
Ritzville
WHITMAN
Colfax
FRANKLIN
Pasco
SNAKE RIVER
GARFIELD
Pomeroy
COLUMBIA
Dayton
ASOTIN
Asotin
WALLA WALLA
Walla Walla
THE SEAL OF THE STATE OF WASHINGTON · 1889 ·

TRENDS

Natality
Mortality
Infant Mortality
Fetal Mortality

Introduction:

The birth, death, infant and fetal death analysis section has two parts for each data source. The first part (*1988 At A Glance)* puts 1988 vital events into perspective by comparing them to US data and presenting time trends for Washington State The second part *(Is Washington State Meeting 1990 Goals?*) examines whether or not Washington State will meet the Surgeon General's 1990 goals. These goals have been established as targets to guide health promotion and disease prevention programs in their efforts to improve the health of the American people by the year 1990. Tracking progress towards these goals helps to identify areas where the state is doing comparatively well and problem areas where special efforts may be needed.

Methods:

Trends are determined by comparing 1988 to the previous five years, thus they represent recent trends only. Long-term trends in rates are shown on the accompanying graphs.

Projected 1990 Washington State rates are determined by assuming that current trends will continue to 1990. Because this is a rough approximation, projected data are given in whole numbers only, to reflect their uncertainty.

Sources of Data:

Washington State data are based on 1988 Washington State resident events, except where two or three years are combined to provide more stability in rates. These cases are noted on the tables.

US figures are based on data reported in the National Center for Health Statistics (NCHS) *Monthly Vital Statistics Reports* (USDHHS, Public Health Service, Hyattsville, Maryland). Data are the most recently available; data years used are noted on the tables.

1990 goals are given in the NCHS publication, *Health: United States, 1986.* (DHHS Publication No. PHS 87-1232. Public Health Service, Washington, US Government Printing Office, December, 1986).

Natality - 1988 At A Glance

Washington State 1988

Item	Data	Trend[1]	Comparable US Data[2]
Number of Births	72,471	+	
Birth Rate (per 1,000 population)	15.9	-	15.9
Fertility Rate (per 1,000 women aged 15-44	67.1	N	67.3
Low Birth Weight Births (2,500 grams or less)	5.3%	+	6.9%
Births to Unwed Mothers	22.3%	+	24.5%
Plural Births	2.2%	+	2.2%
First Child	40.9%	N	41.3%
Deliveries by Unlicensed Attendant	0.4%	-	0.6%
Births at Home	1.8%	N	0.9%

[1] - = decreasing, + = increasing, N = no change.

[2] Birth and fertility rates are for 1988; other US Data are for 1987.

BIRTH RATES (per 1,000 population)
WASHINGTON STATE, 1915-1988

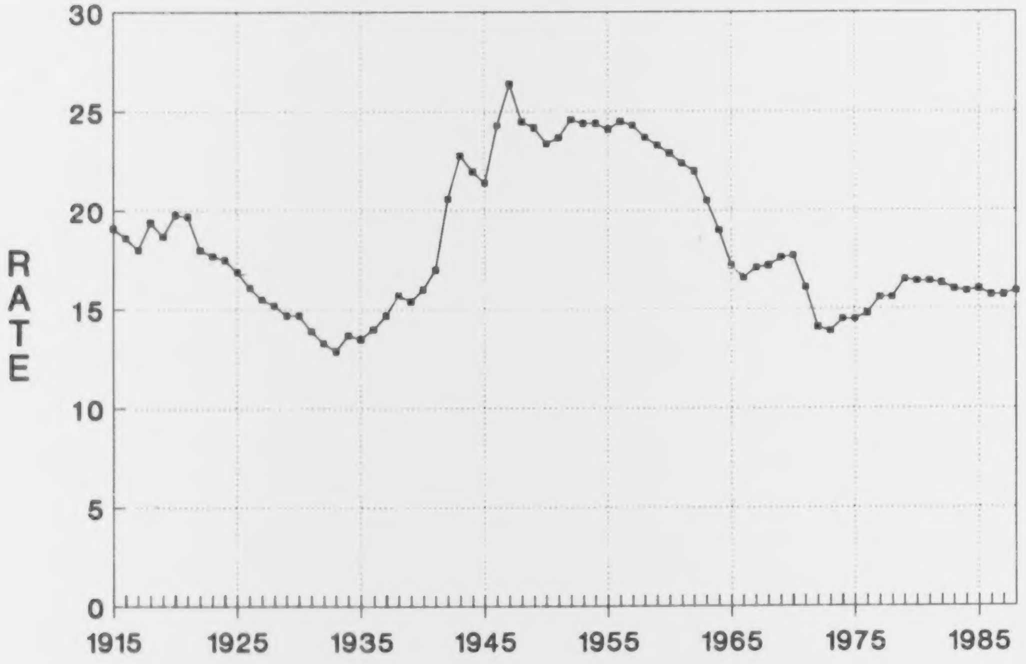


Figure 1

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
Family Planning				
Teen Birth Rate (per 1,000 girls in each age group)				
15 year olds	9.9	10	13.7	10
16 year olds	23.7	23	29.7	25
17 year olds	44.3	44	50.6	45
Infant and Maternal Health				
Percent Low Birth Weight (2,500 grams or less)				
All Births	5.3	5	6.9	5
White	4.8	5	5.7	9
Black	10.8	11	12.7	9
Native American	7.7	7	6.1	9
Other	5.7	6	6.4	9
Maternal Mortality Rate (per 100,000 births)				
All Births	6.1	4	6.6	5
White	5.7	4	5.1	5
Black	14.3	9	14.2	5
Improved Services				
Percent Beginning Prenatal Care after 1st Trimester				
All Births	22.9	23	23.5	10
White	21.1	21	20.6	10
Black	36.4	36	38.9	10
Native American	41.0	39	40.0	10

[1] Maternal mortality data are for 1985-1988; all other data are for 1988.

[2] Teen data are for 1985; American Indian data are for 1986; other US data are for 1987.

Areas of Concern

- Increase in birth rates for 15-year olds (although goals will probably still be met.
- Possible increase in proportion of low birth weight infants (although goals will still be met for all but Blacks).
- High maternal mortality rates for Blacks.
- High levels of late care, especially for Non-Whites.

Mortality - 1988 At A Glance

Washington State 1988

Item	Data	Trend[2]	Comparable US Data3
Number of Deaths	36,299	+	
Death Rate (deaths per 1,000 population)	8.0	+	8.8
Five Leading Cause[1] Death Rates (deaths per 100,000 population)			
Diseases of the Heart	256.4	-	312.7
Malignant Neoplasms	183.9	+	197.8
Cerebrovascular Disease	61.8	N	60.9
Chronic Obstructive Pulmonary Disease	40.8	+	33.5
All Accidents	37.5	-	38.7

[1] Mortality Table 1 gives International List Numbers (ICD-9 codes) for these causes.
[2] - = decreasing, + = increasing, N = no change.
[3] Rates by cause are provisional, based on a ten percent sample.

DEATH RATES (per 1,000 population)
WASHINGTON STATE, 1915-1988

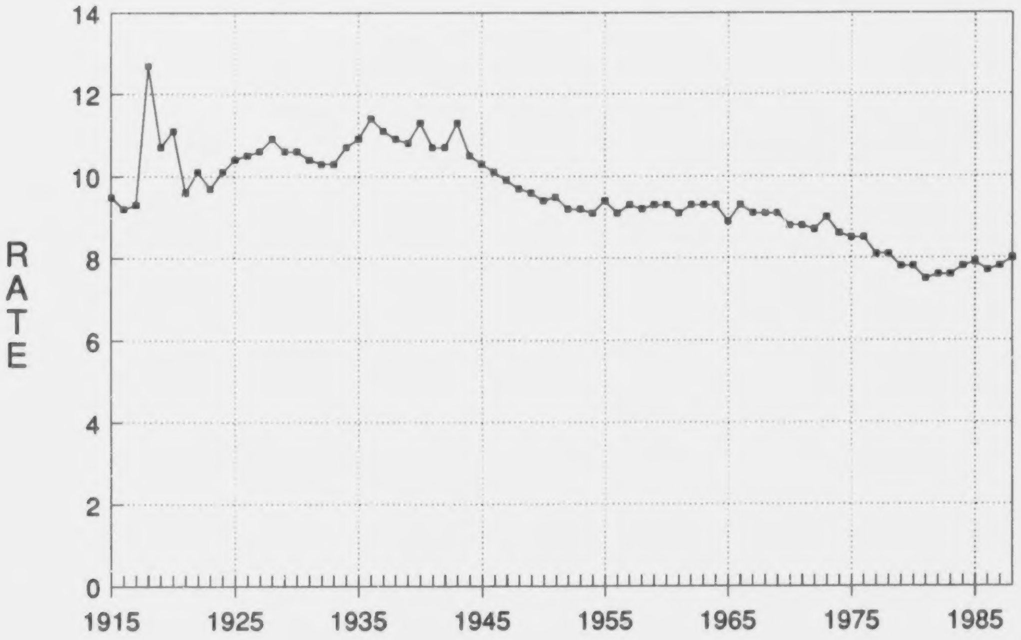


Figure 2

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Death Rates[1] Compared

	Washington State		United States	
	Current[2]	Projected 1990	Current[3]	1990 Goal
General Health				
Ages 1-14	33.7	32	33.3	34.0
15-24	97.4	95	102.1	92.0
25-64	344.9	340	423.2	400.0
Injury Prevention				
Motor Vehicle Accidents	19.4	19	19.6	18.0
Children under 15	7.6	7	6.9	5.5
Home Accidents				
Children under 15	5.5	5	4.8	5.0
Falls	5.0	5	5.0	2.0
Drowning	2.4	2	1.8	1.5
Stress and Violent Behavior				
Suicide: Ages 15-24	18.1	18	12.9	11.0
Male	28.6	29	19.9	11.0
Female	6.8	6	5.1	11.0
Alcohol Abuse				
Cirrhosis of the Liver	9.8	10	10.6	12.0
White	9.9	10	10.4	12.0
African American	9.5	11	13.2	12.0
Native American	29.7	28	Not Available	12.0

[1] Rates based on deaths/100,000 population in group.

[2] Data Years: Ages 15-64, falls, drowning (1988); all others (1987-88).

[3] Data Years: Home accidents, falls, drowning, sex-specific suicide rates (1985); age-specific death rates, motor vehicle accidents for children under 15, race-specific cirrhosis rates, total suicides (1987); all others (1988).

Areas of Concern

- High death rates for motor vehicle accidents, falls, and drownings.
- High suicide rates for the 15-24 age group, especially for males
- High Native American cirrhosis death rates.

Infant Mortality - 1988 At A Glance

Washington State 1988

Item	Data	Trend[2]	Comparable US Data3
Number of Infant Deaths	652	-	
Infant Death Rate (deaths per 1,000 live births)			
All Infant Deaths	9.0	-	10.0
Neonatal (0-27 days)	5.2	-	6.4
Postneonatal (28 days - 1 year)	4.4	N	3.6
Leading Cause[1] Death Rates (deaths per 100,000 population)			
Certain Causes of Mortality in Early Infancy	207.6	-	360.0
Sudden Infant Death Syndrome (SIDS)	255.9	N	125.4
Congenital Anomalies	200.5	-	201.5
Birth Injury and Anoxia	112.3	-	104.6

[1] Mortality Table 12 gives International List Numbers (ICD-9 codes) for these causes.

[2] - = decreasing, + = increasing, N = no change.

[3] Rates by cause are provisional, based on a ten percent sample.

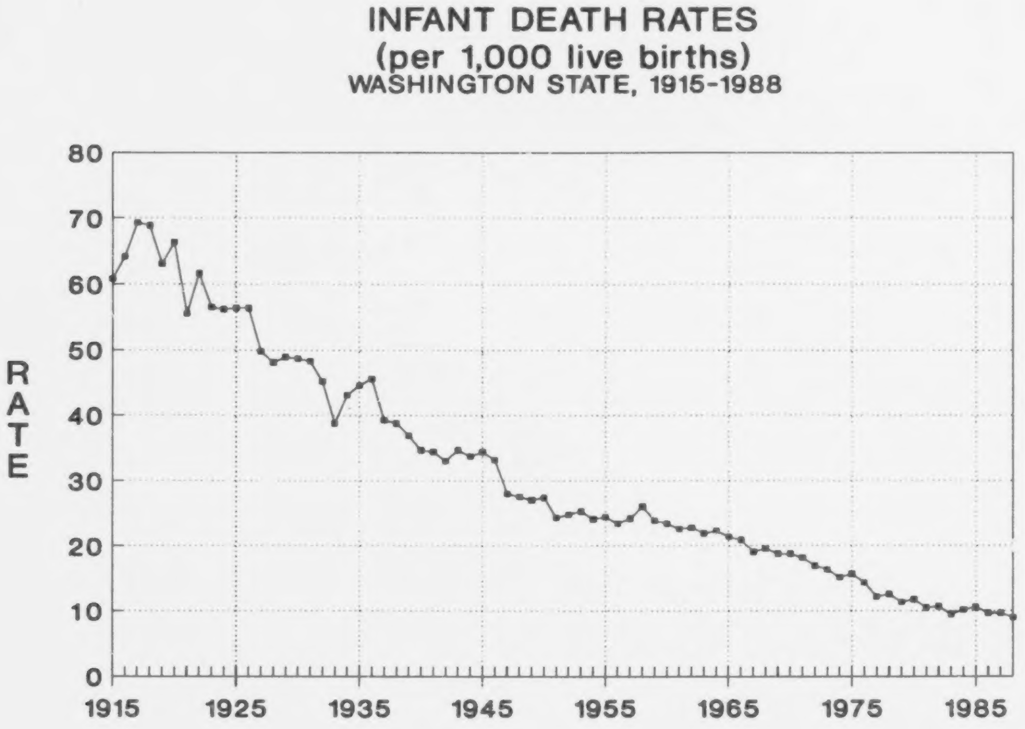


Figure 3

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Infant Death Rates Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current[2]	1990 Goal
All Infant Deaths	9.0	10	10.0	9.0
Neonatal Deaths	4.6	5	6.4	6.5
Postneonatal Deaths	4.4	5	3.6	2.5
Racial Groups				
White	9.2	10	8.6	12.0
Black	15.9	15	17.9	12.0
Native American	13.0	12	9.5	12.0

[1] Race-specific mortality rates are for 1987-88; other data are for 1988.

[2] White and Black mortality rates are for 1987; Indian rates are for 1985; other US figures are for 1988.

Areas of Concern

- High postneonatal death rates. This is a major concern. Washington State has the sixth highest postneonatal mortality rate in the nation. Much of the postneonatal mortality is due to SuddenInfant DeathSyndrome (SIDS); Washington State's SIDS death rates are considerably higher than US rates (see previous page).
- High Black infant mortality rates.

Fetal Mortality - 1988 At A Glance

Washington State 1988

Item	Data	Trend[1]	Comparable US Data2
Number of Fetal Deaths	381	-	
Fetal Death Ratio (deaths per 1,000 live births)	5.3	-	7.3

[1] - = decreasing, + = increasing, N = nochange.

[2] US figure estimated from earlier data.

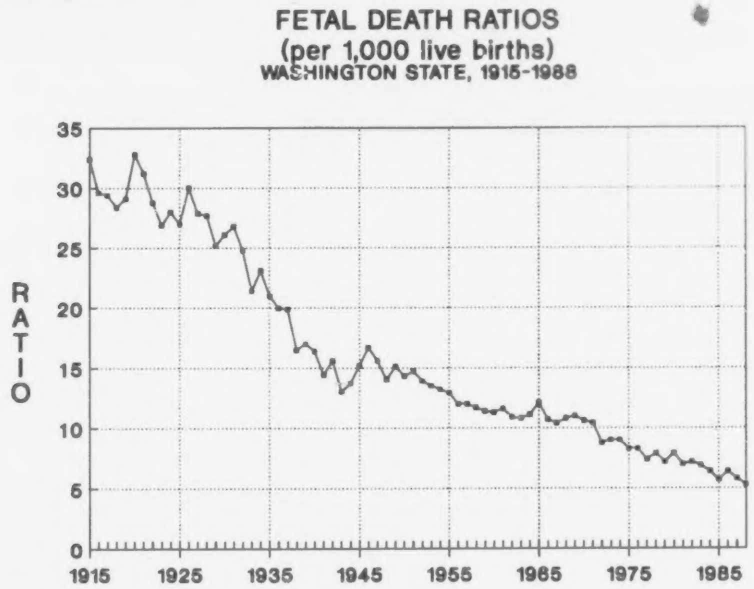

FETAL DEATH RATIOS
(per 1,000 live births)
WASHINGTON STATE, 1915-1988

Figure 4

Is Washington State Meeting 1990 Goals?

1990 Goals, Washington State and US Fetal Death Rates Compared

	Washington State		United States	
	Current[1]	Projected 1990	Current	1990 Goal
Perinatal Death Rate[2] (deaths per 1,000 live birth)	7.6	8	10.8	5.5

[1] Data are for 1987-88.

[2] Perinatal deaths include late fetal deaths (28+ weeks) plus early neonatal deaths (less than 7 days). Rates published elsewhere in this report include fetal deaths of 20+ weeks gestation.

Areas of Concern

- Perinatal mortality rates above the goal. The goal appears to be lower than the neonatal goal alone and may thus be unrealistic.

Induced Terminations of Pregnancy

Introduction

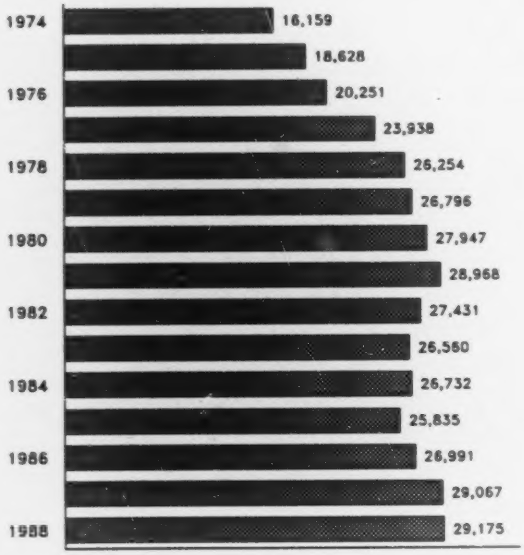
Abortion surveillance has been conducted by State public health officials since December, 1970. Induced abortion had become a legally allowable procedure in Washington State the previous month, when the then existing criminal abortion statute was overturned by referendum. The new law, which had some restrictions, was later superceded by United States Supreme Court decision in Roe v. Wade (1973).

Initially, the purpose of the abortion reporting system was to evaluate the safety and adequacy of procedures. The data are also important for assessment in two other areas of public health concern: 1) prevention of unwanted pregnancies and 2) access to abortion services. Trends pertinent to each of these issues are illustrated in graphs and by map on this and the following pages. In addition, both state and county data are arrayed in the Induced Terminations of Pregnancy chapter of the tables section.

All the usual problems of data collection—underreporting, incompleteness, and inaccuracy—impose qualifications on any conclusions. See the Technical Notes, Appendices A and B, in this report for more detail on reporting problems and definitional issues.

Overview

The reported total for Washington State resident abortions increased slightly in 1988—from 29,067 to 29,175 (0.4%) while abortion occurrences decreased from 30,172 to 29,802 (-1.2%). This decrease may be due in part to a reporting artifact.


Total of Induced Abortions per Year
Washington State Residents, 1974–1988*

*Resident abortion totals for the years 1974–1977 are estimates based on the total occurring in those years.

Figure 5

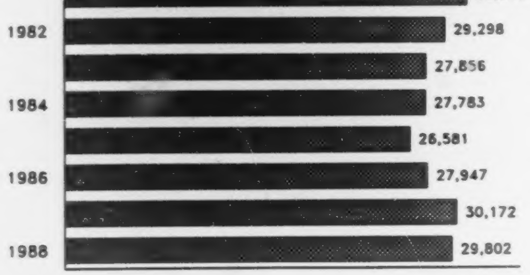

Total of Induced Abortions per Year
Washington State Occurrences, 1974–1988

Figure 6

There were absolute and proportionate differences among all age groups, exept 35-39 year old occurrences. In general, change was slight.

The greatest negative proportional change within any one age group for induced terminations occurring in the State was to those under 15 (-12%). The data reveals an increase among abortion occurrences in the age groups, 25-29 (+2%) and 45 and over (+64%). The greatest positive difference in raw figures was among 25-29 year-olds (+115); negative, 20-24 year olds (-199).

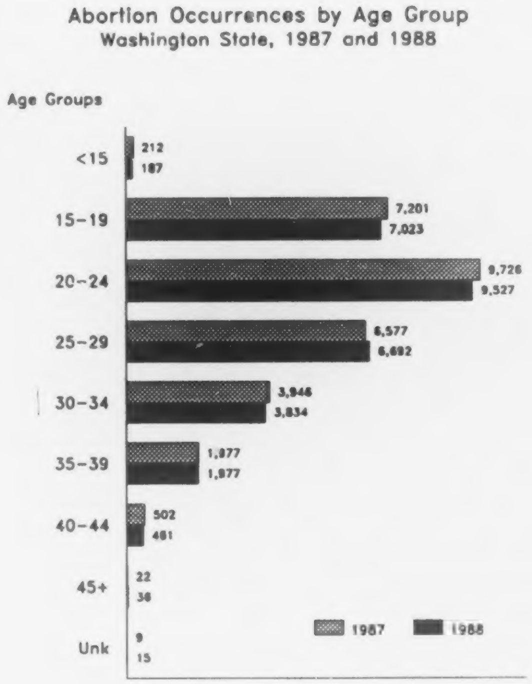


Figure 7

As with occurrences, there was little change in residence totals among age groups. The greatest percentage gain was again among those over 45 years old (+67%) and the greatest absolute difference was in the 25-29 age group (+195).Three age groups exhibited decline; the greatest proportionately was for those under 15 (-9%). The largest decrease in actual counts was among 20-24 year-olds (-60).

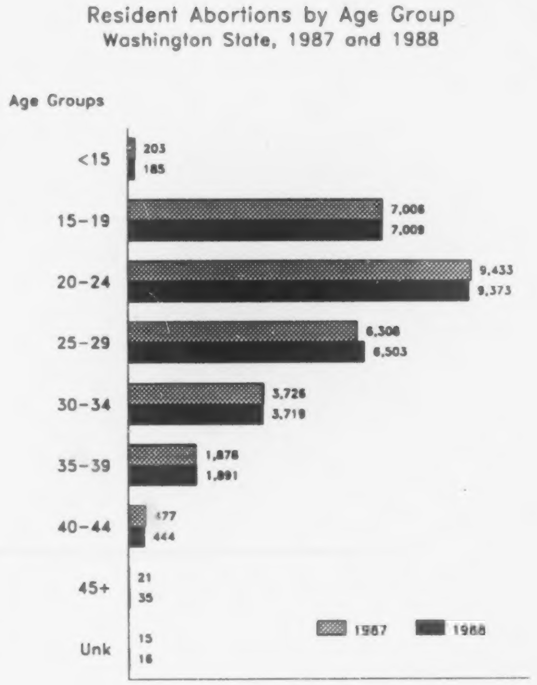
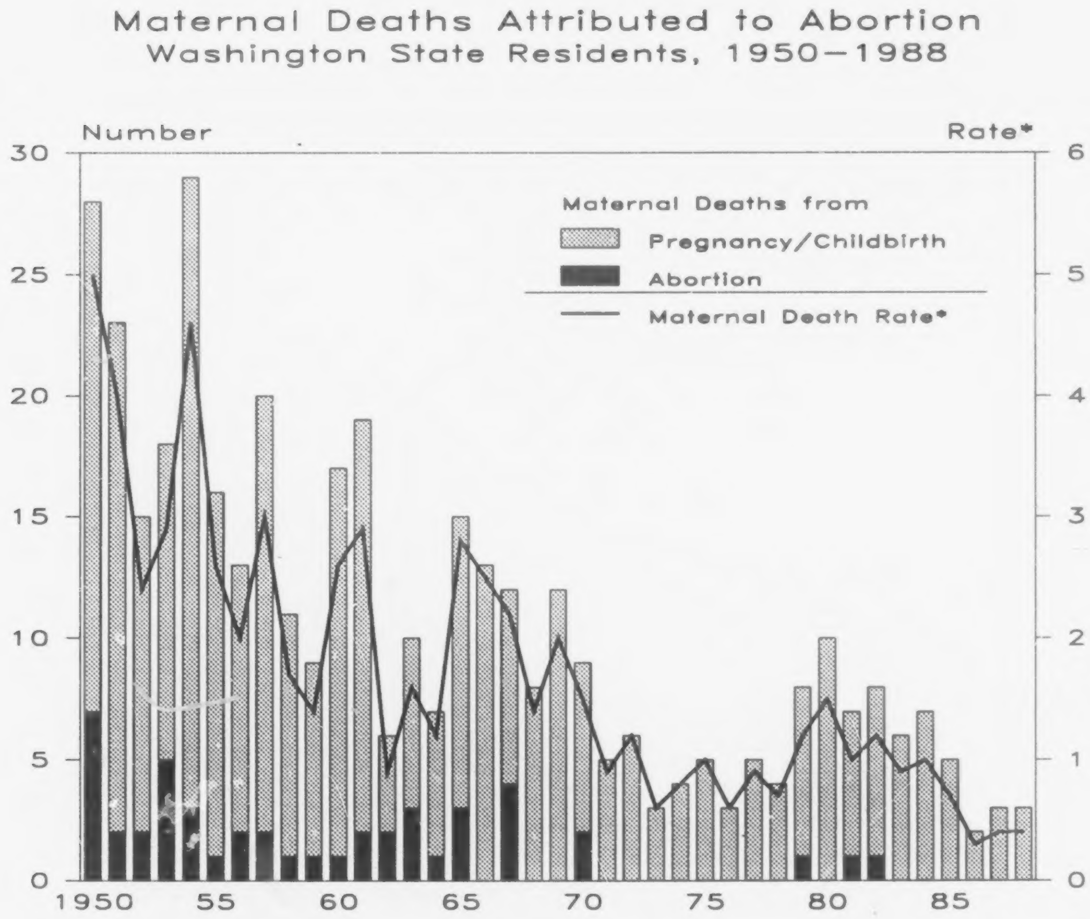


Figure 8

Mortality



*Maternal Death Rate=Deaths due to maternal causes per 10,000 live births.

Figure 9

Trends in abortion related mortality, show that abortion has been nearly eliminated as a contributing factor in maternal deaths. Maternal deaths are deaths to women which are a result of complications of pregnancy or occur within six weeks of either live birth or abortive outcome. The maternal death rate is equal to the number of these deaths per 10,000 live births.

The data illustrated in the chart above do not differentiate between legal and illegal abortions. The two deaths in 1970 took place prior to the passage of the referendum in that year. The three deaths which occurred in the years following 1970 were the result of complications—one each, from: a legally induced abortion procedure (performed as a consequence of IUFD, intrauterine fetal demise) in 1979, a self-induced abortion in 1981, and a spontaneous abortion in 1982.

Nationally, the death-to-case rate, that is the number of deaths per 100,000 legally induced abortions, was 0.8 in 1983, 0.8 in 1984, and provisionally 0.5 in 1985.*

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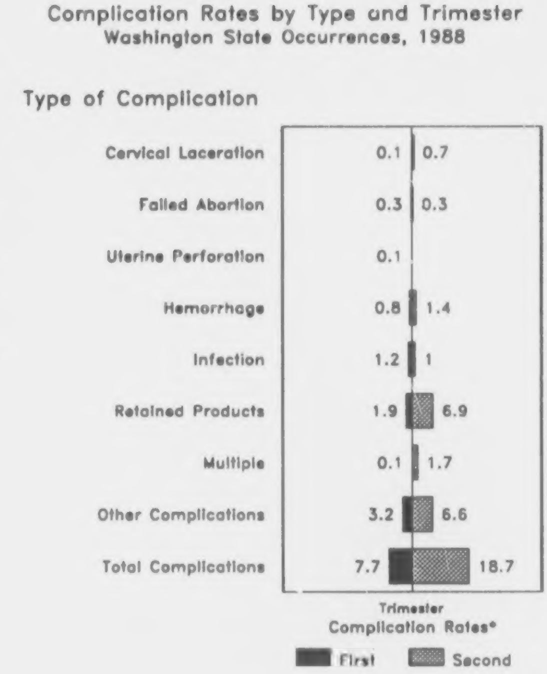
*United States Department of Health and Human Services, Centers for Disease Control, Center for Chronic Disease, Prevention, and Health Promotion, Division of Reproductive Health, *Abortion Statistics, U.S. 1984-1985 (Pre-release to State Health Agencies, 1989)*. Atlanta, GA: 1989.

Morbidity

Typically, second trimester abortions have a higher complication rate than first trimester terminations. It should be noted that the division between first and second trimester is somewhat arbitrary at twelve weeks and complications are not always completely reported for either semester. (See Technical Notes, Appendix B, in this report.)

Retained products was the most frequently reported complication in both trimesters in 1988. Some of the other complications, e.g. infection, may be artificially low due to the completion of reporting forms before some complications are known.

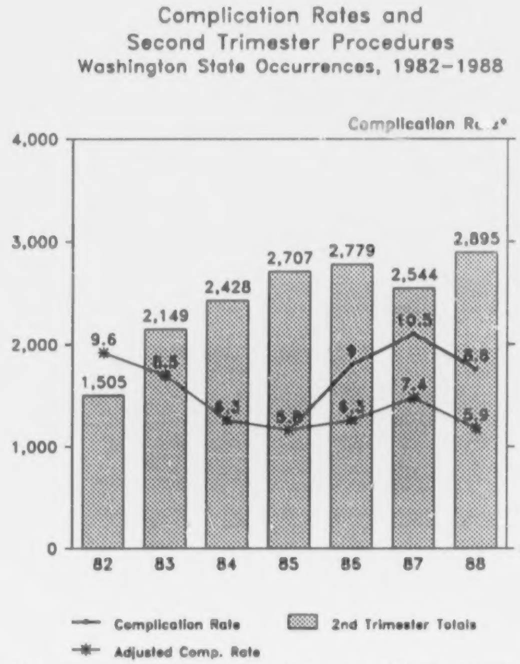


*Complication Rate=Complications per 1,000 procedures.

Figure 10

In December, 1982 the abortion law was liberalized to allow second trimester procedures in approved nonhospital facilities. This factor and improved reporting may account for some of the rise in second trimester abortions that has occurred since 1983. In 1988, the number of second trimester procedures was the highest since 1982.

The complication rate shown as the upper line in Figure 7 includes 85 cases of minor complications (such as "unexplained pain" and "hemorrhage less than 500cc") reported under "other complications." These minor complications form 82% of the "other complications" category. Prior to 1986, such complications were suppressed before publication. This accounts for most of the increase in the complication rates. See the adjusted complication rate in the accompanying figure.



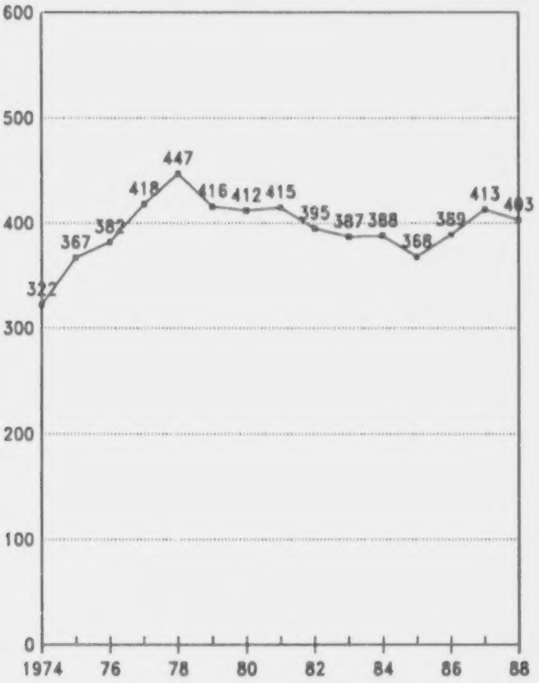
*Complication Rate = Complications per 1,000 procedures (includes both trimesters)

Figure 11

Rates and Ratios

Pregnancy, abortion, and fertility rates and the abortion ratio are statistical indicators frequently used to assess need and efficacy of programs for the prevention of unwanted pregnancy. In 1988, the abortion rate (abortions per 1,000 women aged 15-44) for Washington State residents remained at the same level as the previous year. The peak year since 1974 for pregnancy and fertility rates is 1981; for the abortion rate, 1978. For the abortion ratio, the peak year is 1977.

Abortion Ratio* by Year
Washington State Residents, 1974–1988

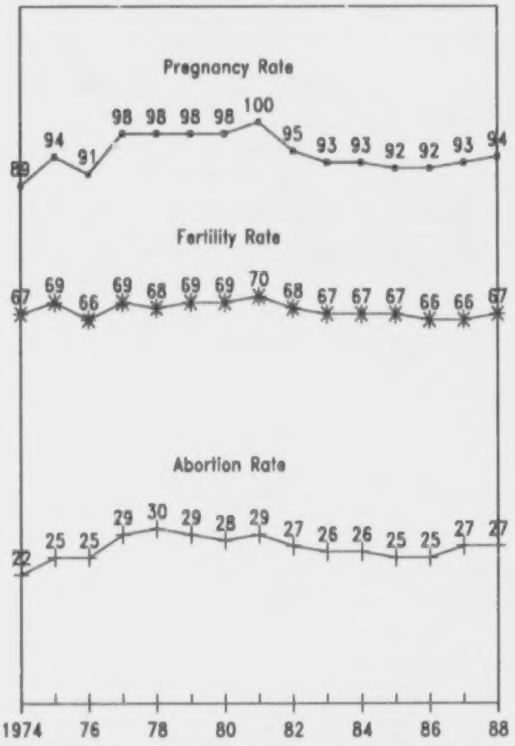


*Abortion Ratio = Abortions per 1,000 Live births

Figure 12

Abortion rates can be affected by either or both a change in the number of women getting pregnant (expressed mathematically by the pregnancy rate) or by the number of pregnant women choosing abortion (expressed indirectly by abortion ratios). In 1988, a 1-point rise in the pregnancy rate was offset by a slight decrease in the abortion ratio (-2.4%). Neither was enough to effect change in the abortion rate which remained constant. Instead, the change in the pregnancy rate was duplicated in the fertility rate which also increased by one point.

Comparative Rates* By Year
Washington State Residents, 1974–1988



*Rates = Pregnancies, Live births, and Abortions per 1,000 women aged 15–44

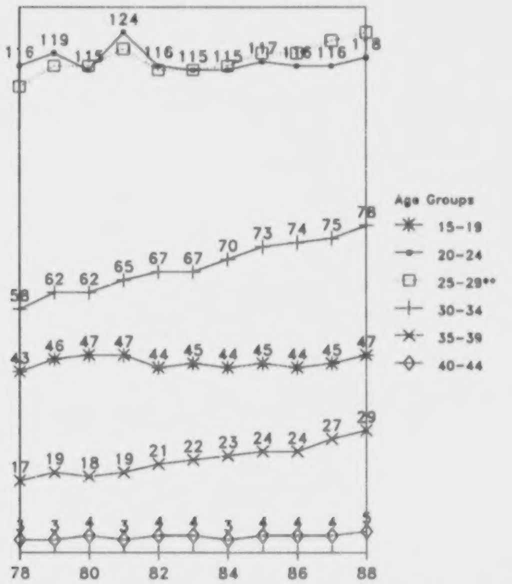
Figure 13

Since 1978, the greatest change within individual age groups has been in fertility rates among 35-39 year-olds and 30-34 year-olds (+71% and +34%, respectively). In the same ten years, the 15-19 year-olds were the only age group to show a decline in either rate, exhibiting a twelve percent decrease in their abortion rate. The fertility rate for this age group is at its highest point since 1981.

An examination of abortion ratios by age group over the past three years shows little change in all but the older and youngest age groups.

These trends are illustrated in the charts on the following page.

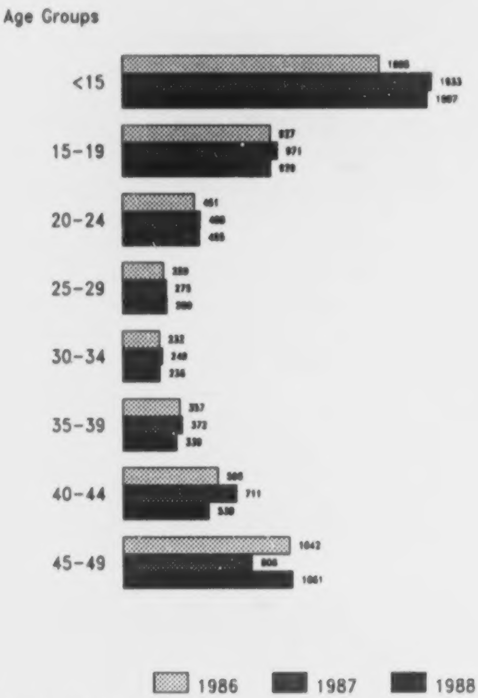
Age-Specific Fertility Rates*
Washington State Residents, 1978-1988



*Fertility Rate = Live births per 1,000 women in each age group
**Values not shown.

Figure 14

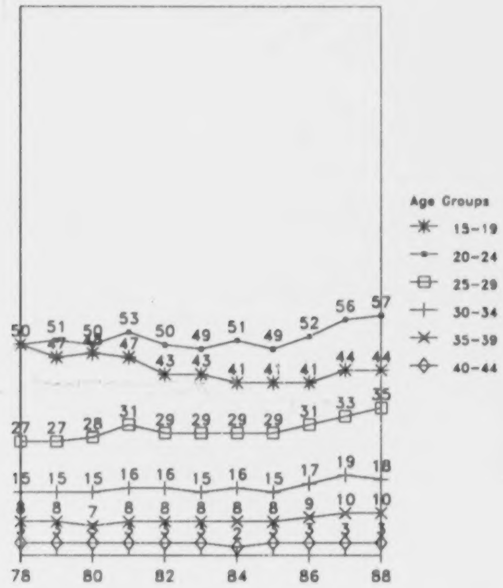
Abortion Ratios* by Age Group
Washington State Residents, 1985-1988



*Abortion Ratio = Abortions per 1,000 Live births

Figure 16

Age-Specific Abortion Rates*
Washington State Residents, 1978-1988



*Abortion Rate = Abortions per 1,000 women in each age group

Figure 15

The three age-specific charts on this page show the age-group differences in fertility and abortion rates and abortion ratios.

The figures on the next two pages illustrate the abortion and fertility rates by county for women aged 15-44 (Figure 17) and 15-17 (Figure 18). In addition, each chart shows the counties ranked by a third variable—abortion ratio* and pregnancy rate, respectively. These variables were chosen for ranking based on the prevention issues pertinent to each age group—unwanted pregnancy at all ages in Figure 17 and high school age pregnancy in Figure 18. (The highest levels for these variables are at the top of each chart.)

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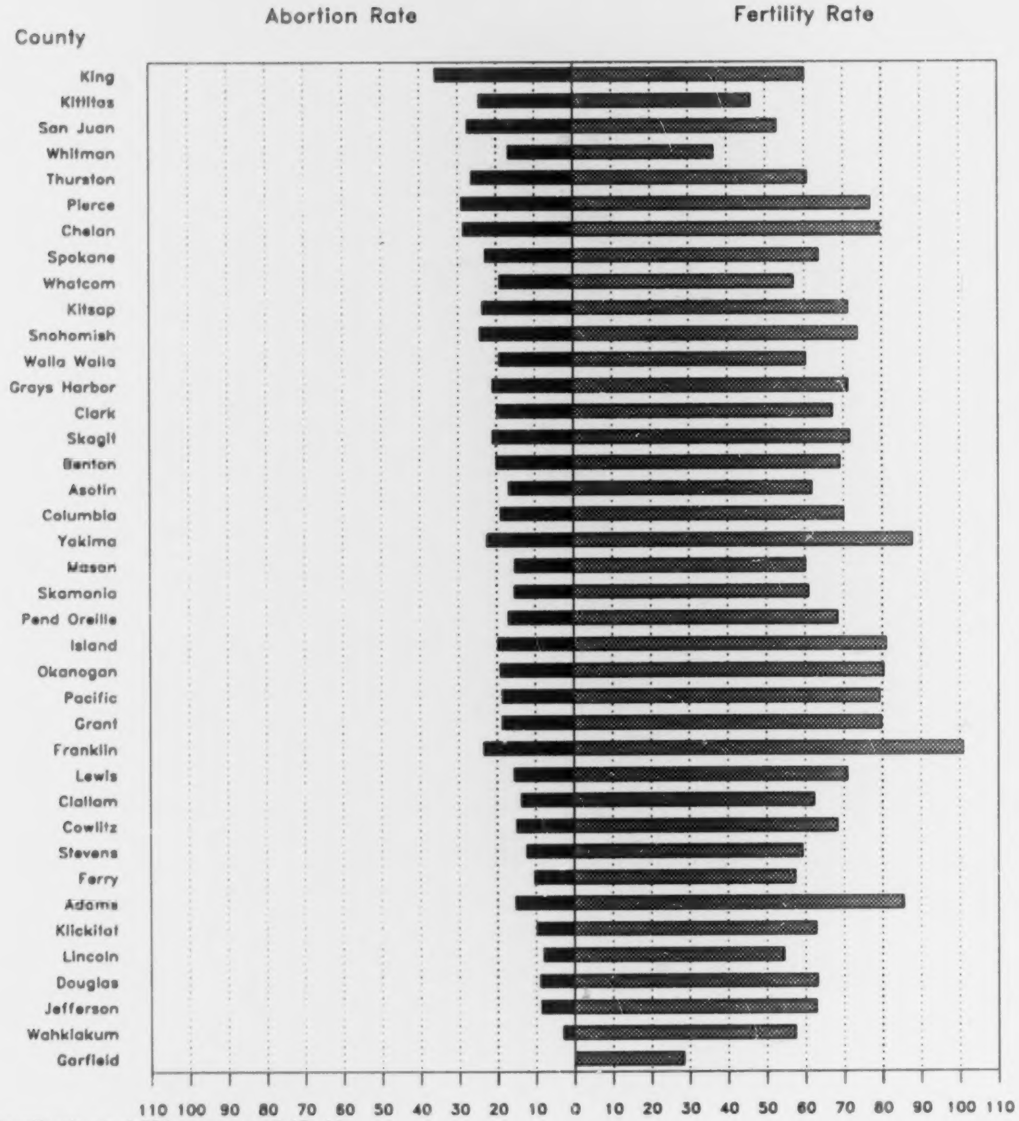
*It should be understood that abortion ratios are more mercurial than rates because they are based on smaller divisors—small differences in total events can make large differences in the ratios from year to year. Furthermore, differences can be compounded. If total pregnancies remain the same, an increase in live births automatically creates a decrease in abortions or vice versa; thereby, doubling the effect on an abortion ratio.

The figure below shows county abortion and fertility rates and ranking by abortion ratio.

Abortion & Fertility Rates*
For Washington State Counties 1988
Ranked in Order by Abortion Ratio**

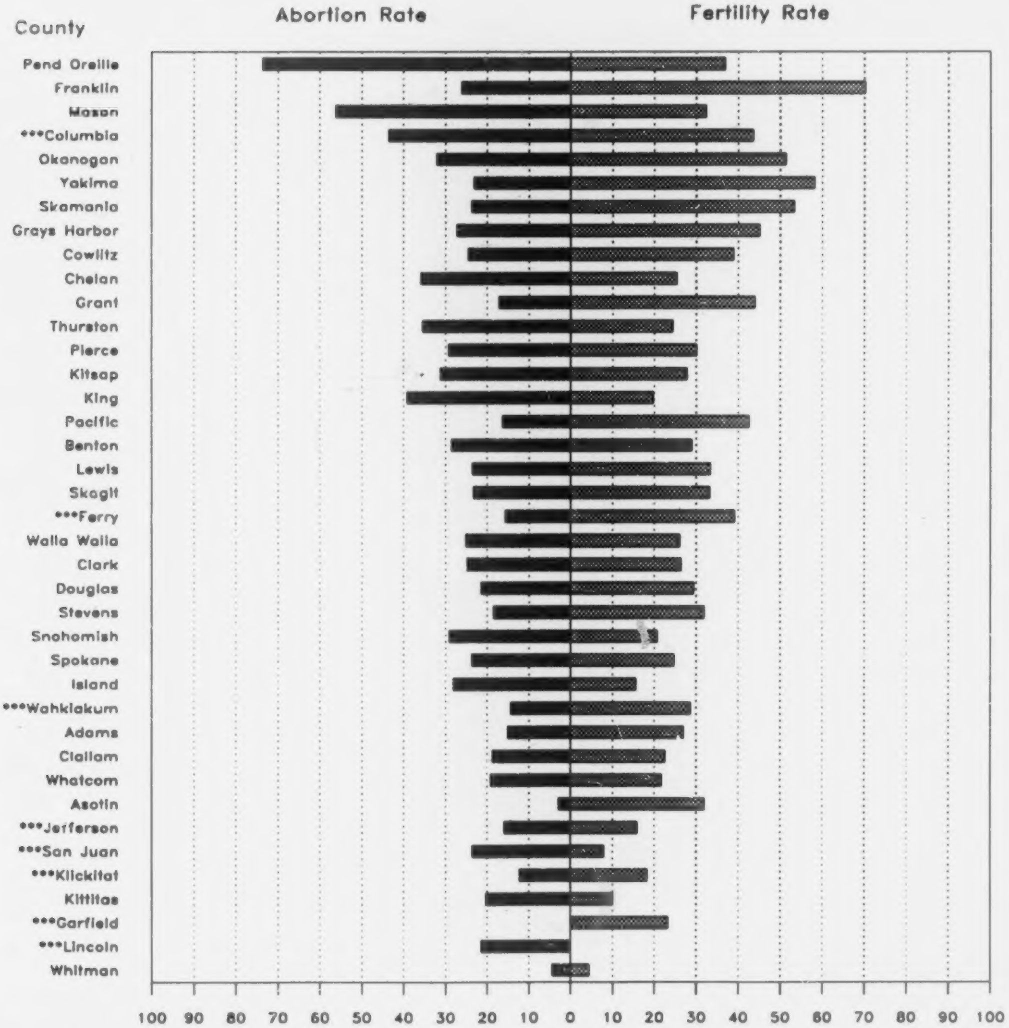


*Rates=Events per 1,000 women aged 15-44
**Ratio=Abortions per 1,000 live births, women aged 15-44

Figure 17

The chart on this page illustrates fertility and abortion rates for 15-17 year-olds in the 39 counties and ranks them by pregnancy rate for this age group. Some counties have very small populations of high-school-age women. For these counties, a small number of pregnancies in this age group often formulates a comparatively high rate which may vary considerably year to year. In these instances, data for several years should be examined. Eight counties (Columbia, Ferry, Garfield, Jefferson, Klickitat, Lincoln, San Juan, and Wahkiakum) had a total of ten or fewer pregnancies among high school age women.

Abortion & Fertility Rates*, Women 15-17
For Washington State Counties 1988
Ranked in Order by Pregnancy Rate*



*Rates=Events per 1,000 women aged 15-17
***Counties with 10 or fewer total reported HS pregnancies.

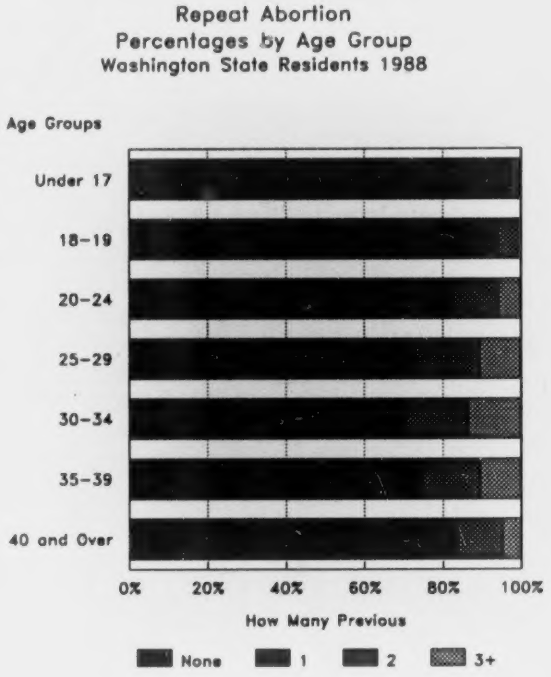
Figure 18

Repeat Abortion

Repeat abortion is the commonly used term for cases with a patient history of one or more previous induced termination. Besides failure to take precautions to prevent pregnancy, there are a myriad of possible reasons, for a history of a repeat abortion (or for obtaining any abortion, for that matter), e.g., contraceptive failure, fetal or maternal health problems, changes in economic, social, or psychological circumstances, incest, and/or rape.* No data is collected by the Washington State Abortion Reporting System on patients' use of contraceptives or reasons for choosing abortion.

Pregnancy history has been collected by the Abortion Reporting Form since 1981. Comparisons by age group should reflect an awareness of two countervailing factors at work in age-specific data on repeat abortion: 1)Older women are more at risk for repeat abortion because chances of a previous abortion is a function of age, and 2) Younger women are more at risk for repeat abortion because abortion has been legal for a longer portion of their lives.

Figure 19 portrays the percentage of previous induced terminations by age. Unknowns were not tabulated. They approximate six to nine percent in each age group.

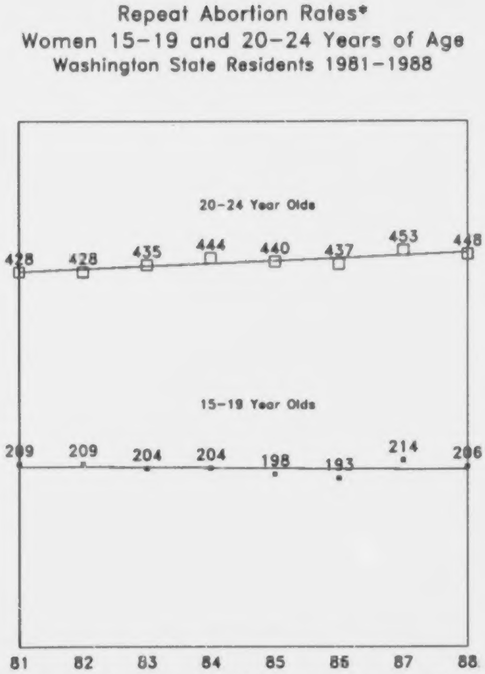


*Unknowns not tabulated

Figure 19

Figure 20 shows the trends in repeat abortion rates for women aged 15-19 and 20-24 since 1981. The trendline for the repeat abortion rate (repeat abortions per 1,000 procedures) for the younger age group has remained nearly flat. (Slope = -0.42; Corr = -0.15). For 20-24 year-olds, it shows a slight but moderately steady increase over the seven years. (Slope = +3.2; Corr = +0.87).

Repeat abortions by patient's age by county of residence are arrayed in the tables section of this report.



*Rate = Number of patients with history of previous abortion per 1,000 procedures, excluding unknowns

Figure 20

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*See Aida Torres and Jacqueline Darroch Forrest. "Why Do Women Have Abortions?" *Family Planning Perspectives*, July/August 1988.

Access to Care

In the past five years, there has been a decline in abortion service providers. The total number of facilities dropped 18 in the seven years since 1982—one among those reporting fewer than 10 procedures; ten, between 10 and 49; and seven, 50 or more. Since there has not been a corresponding drop in the number of abortions provided, the effect of this decline has been an increased concentration of patient load among fewer providers.

The map below depicts abortion services for counties with populations of 10,000 or more women between the ages of 15 and 44. Nine of these larger counties (Benton, Chelan, Clallam, Cowlitz, Grays Harbor, Lewis, Walla Walla, and Whitman) have no non-hospital providers within their boundaries. Ninety-six percent of abortion patients obtained the procedure in a non-hospital setting.

A decline in health care providers is always a public health concern because of the increased potential for adverse effects on patient health. Thus, in addition, to the ongoing concern regarding safety of procedure, attention must remain focused on maintaining access to care, as well as, prevention of the conditions which necessitate that care—in this case, that is—unwanted pregnancy.

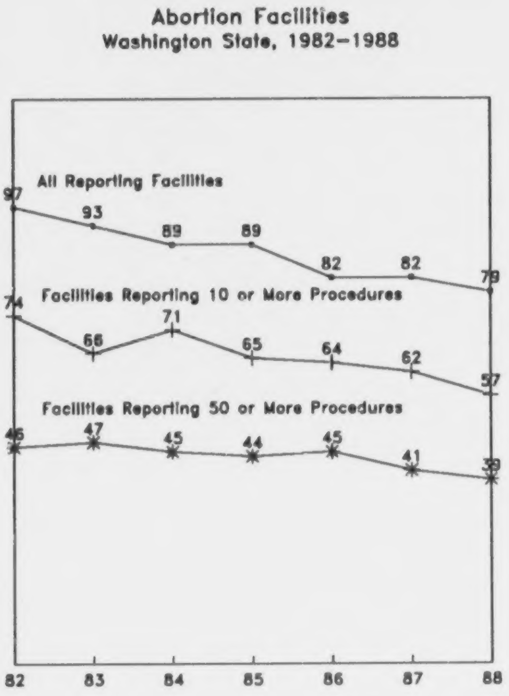
Abortion Facilities
Washington State, 1982–1988

Figure 21

Access to Non-hospital Abortion Services, Washington State 1988
Counties with 10,000 or More Women Aged 15-44

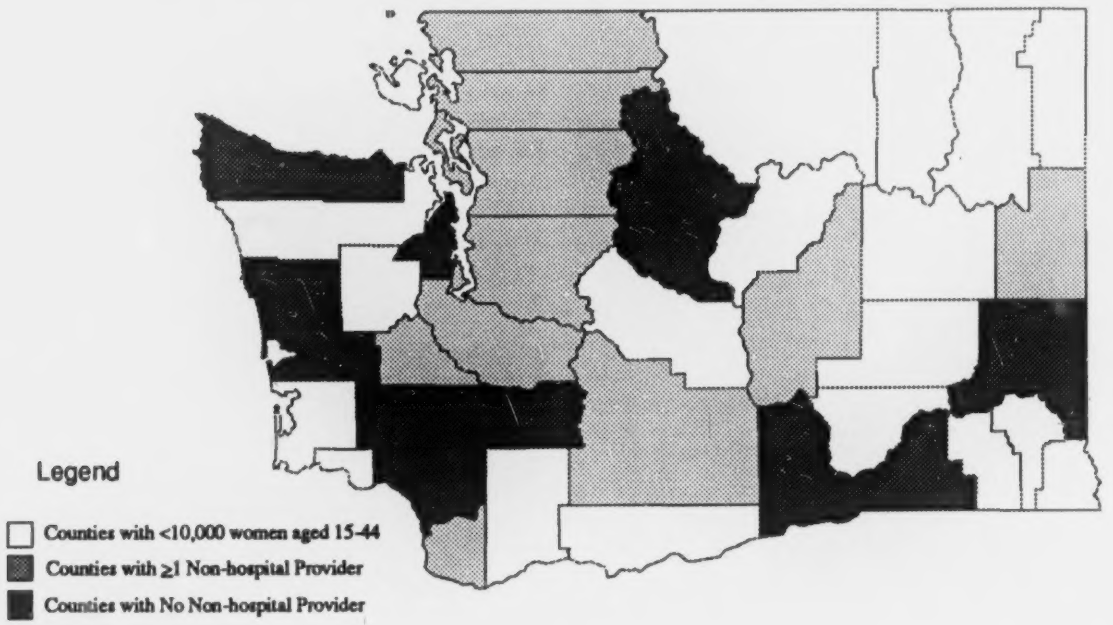
Legend
☐ Counties with <10,000 women aged 15-44
▨ Counties with ≥1 Non-hospital Provider
■ Counties with No Non-hospital Provider

Figure 22

TABLES

Summary of the Number of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, with Rates
Washington State 1920-1988

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate[2]	Number	Rate[3]	Number	Ratio[2]
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9

Year	Population	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate[1]	Number	Rate[1]	Number	Rate	Number	Rate[3]	Number	Ratio[2]
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	8	1.2	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	10	1.5	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	7	1.0	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	8	1.2	501	7.2
1983	4,285,100	68,705	16.0	32,631	7.6	653	9.5	6	0.9	474	6.9
1984	4,328,100	68,947	15.9	33,788	7.8	704	10.2	7	1.0	444	6.4
1985	4,384,100	70,226	16.0	34,475	7.9	747	10.6	5	0.7	403	5.7
1986	4,419,700	69,431	15.7	34,166	7.7	675	9.7	2	0.3	445	6.4
1987	4,481,100	70,329	15.7	34,967	7.8	681	9.7	3	0.4	411	5.8
1988	4,565,000	72,471	15.9	36,299	8.0	652	9.0	3	0.4	381	5.3

[1] Per 1,000 Population

[2] 1961-1969 population figures are revised estimates provided by the Office of Program Planning and Fiscal Management.

[3] 1979-1988 maternal death figures are revised totals based on studies conducted by the Health Data Unit.

NATALITY

Table 1
Births in Washington State by Selected Topics, 1988

A. Residents, Sex by Race

	Total	Male	Female	Unknown
Total	72,471	37,136	35,334	1
White	61,905	31,775	30,129	1
African-American	3,586	1,843	1,743	
Native American	2,066	1,002	1,064	
Japanese	335	165	170	
Chinese	238	120	118	
Filipino	621	325	296	
Other Asian	2,877	1,476	1,401	
Other	12	6	6	
Unknown	831	424	407	
Hispanic[1]	4,556	2,302	2,254	

B. Residents, Mother's Age Group by Sex

	Total	Male	Female	Unknown
Total	72,471	37,136	35,334	1
Under 15	97	48	49	
15 - 17	2,498	1,274	1,224	
18 - 19	5,045	2,627	2,418	
20 - 24	19,344	9,820	9,524	
25 - 29	23,246	11,960	11,285	1
30 - 34	15,730	8,042	7,688	
35 - 39	5,577	2,892	2,685	
40 - 44	823	412	411	
45 and Over	34	18	16	
Unknown	77	43	34	

C. Residents, Attendant at Birth

Total	72,471	100.0%[2]
MD	67,233	92.8
Osteopath	1,187	1.6
Licensed Midwife	881	1.2
Certified Midwife	2,215	3.1
Other Midwife	32	—
Nurse	285	.4
Father/Mother	75	.1
Other	176	.2
Unknown	387	.5

D. Residents, Order of Birth to Mother

Total	72,471	100.0%[2]
1st Child	28,807	39.7
2nd Child	23,475	32.4
3rd Child	11,349	15.7
4th Child	4,162	5.7
5th Child	1,530	2.1
6th Child	600	.8
7th Child	263	.4
8th Child	127	.2
9th Child	63	.1
10th or more	72	.1
Unknown	2,023	2.8

E. Residents, Maternal Smoking

	Number	Percent
Total	72,471	100.0%[2]
Yes	17,095	23.6
No	51,376	70.9
Unknown	4,000	5.5

F. Residents, Multiple Live Births

Sets of Twins	777
Sets of Triplets	16
Sets of Quadruplets	2

[1] Hispanic numbers are not included in the total sum.

[2] Detail may not add to 100% due to rounding.

Table 1 (continued)
Births in Washington State by Selected Topics, 1988

G. Residence and Occurrence, Sex by Birth Weight in Grams

	Residence				Occurrence			
Gram Weight	Total	Male	Female	Unknown	Total	Male	Female	Unknown
Total	72,471	37,136	35,334	1	71,397	36,588	34,808	1
1,000 and under	303	155	148		295	148	147	
1,001 - 1,500	327	151	176		333	154	179	
1,501 - 2,000	730	355	375		705	342	363	
2,001 - 2,500	2,445	1,098	1,347		2,407	1,084	1,323	
2,501 - 3,000	9,443	4,167	5,276		9,268	4,100	5,168	
3,001 - 3,500	24,934	11,672	13,262		24,581	11,509	13,072	
3,501 - 4,000	23,754	12,820	10,933	1	23,427	12,637	10,789	1
4,001 - 4,500	8,494	5,306	3,188		8,372	5,227	3,145	
4,501 and over	1,923	1,356	567		1,894	1,335	559	
Unknown	118	56	62		115	52	63	

H. Residence and Occurrence, Live Births and Fetal Deaths by Month

	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	72,471	71,397	381	370
January	5,528	5,452	38	36
February	5,526	5,439	32	31
March	6,261	6,198	36	35
April	6,030	5,954	37	37
May	6,392	6,293	33	30
June	6,228	6,147	43	44
July	6,351	6,252	26	27
August	6,367	6,285	34	33
September	6,252	6,166	33	31
October	5,995	5,885	36	34
November	5,782	5,691	14	14
December	5,759	5,635	19	18

Table 1 (continued)
Births in Washington State by Selected Topics, 1988

I. Occurrence, Method of Delivery

Method	Total	Normal Labor	Induced Labor	Unknown
Total	71,397	62,760	2,778	5,859
Vaginal Delivery	42,738	40,844	1,894	
Primary C-Section	8,432	8,111	321	
Repeat C-Section	5,179	5,133	46	
Vacuum Extraction	3,413	3,237	176	
Outlet Forceps	4,407	4,128	279	
Vaginal Delivery after Previous C-Section	784	757	27	
Other	585	550	35	
Unknown	5,859			

J. Occurrence, Type of Place

	Number	Percent
Total	71,397	100.0%[1]
General Hospital	65,571	91.8
Federal Facility	4,004	5.6
Home	1,289	1.8
Birth Center	241	.3
Born on Arrival	72	.1
Other and Unknown	220	.3

[1] Detail may not add to 100% due to rounding.

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Table 2

Live Births by Child's Race by Birth Weight, Washington State Residents 1988

Birth Weight in Grams	Total	White	African-American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Total	72,471	61,905	3,586	2,066	335	238	621	2,877	12	831	4,556
1,000 and under	303	230	40	13	4		1	10		5	3
1,001 - 1,500	327	251	41	17		1	4	10		3	14
1,501 - 2,000	730	581	71	24	3	4	4	33		10	44
2,001 - 2,500	2,445	1,917	235	105	13	10	23	117		25	144
2,501 - 3,000	9,443	7,543	743	272	53	46	123	546	5	112	615
3,001 - 3,500	24,934	20,985	1,282	662	147	100	260	1,206	3	289	1,813
3,501 - 4,000	23,754	20,945	873	651	77	59	159	708	2	280	1,374
4,001 - 4,500	8,494	7,627	242	252	30	13	44	205	2	79	451
4,501 and over	1,923	1,734	53	66	6	4	3	41		16	95
Not Stated	118	92	6	4	2	1		1		12	3

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Table 3

Live Births by Mother's Age by Birth Weight, Washington State Residents 1988

Birth Weight in Grams	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	72,471	97	2,498	5,045	19,344	23,246	15,730	5,577	823	34	77
1,000 and under	303	2	16	27	88	89	51	23	4	—	3
1,001 - 1,500	327	2	21	33	80	96	62	28	4	—	1
1,501 - 2,000	730	2	36	63	192	203	161	62	9	2	
2,001 - 2,500	2,445	8	99	183	679	761	495	182	35	—	3
2,501 - 3,000	9,443	16	453	796	2,632	2,940	1,863	627	101	5	10
3,001 - 3,500	24,934	41	973	1,861	7,018	7,841	5,113	1,806	241	11	29
3,501 - 4,000	23,754	15	665	1,567	6,194	7,804	5,392	1,819	265	12	21
4,001 - 4,500	8,494	9	190	424	2,034	2,826	2,067	817	116	3	8
4,501 and over	1,923	2	34	77	406	651	505	202	45	—	1
Not Stated	118	—	11	14	21	35	21	11	3	1	1

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[1] Hispanic numbers are not included in total sum.

S02680A-HBI

Table 4

Live Births by Mother's Age by Month Care Began, Wasington State Residents 1988

Month Prenatal Care Began	All Ages	Under 15	15-17'	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Total	72,471	97	2,498	5,045	19,344	23,246	15,730	5,577	823	34	77
First	11,296	5	157	386	2,380	4,220	2,949	1,049	140	4	6
Second	26,314	9	498	1,128	6,559	9,271	6,333	2,196	291	6	23
Third	16,274	17	514	1,153	4,427	5,106	3,616	1,224	193	9	15
Fourth	6,667	11	368	766	2,127	1,765	1,129	418	72	4	7
Fifth	3,650	12	299	533	1,214	891	453	205	37	3	3
Sixth	2,235	8	219	365	742	488	272	109	23	3	6
Seventh	1,494	13	147	248	514	326	160	65	15	2	4
Eighth	929	11	78	133	333	224	102	37	10		1
Ninth	365	2	31	50	132	92	36	18	4		
No care	659	1	69	94	224	142	78	39	6	1	5
Unknown	2,588	8	118	189	692	721	602	217	32	2	7

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Table 5

Live Births by Number of Prenatal Visits by Month Care Began, Washington State Residents 1988

Number of Prenatal Visits	Month Care Began Total	1-3	4-6	7-9	No Care	Unknown
Total	72,471	53,884	12,552	2,788	659	2,588
9 or More	55,118	47,566	6,904	286		362
5 - 8	10,012	4,268	4,519	1,083		140
1 - 4	2,926	591	870	1,354		111
No Visits	721	8	5	14	641	53
Unknown	3,694	1,451	254	49	18	1,922

Table 6

Live Births with Rates by Place of Residence by Sex and Place of Occurrence, Washington State 1988

	Residence				Occurrence	
County and City	Number	Rate	Male	Female	Number	Rate
State Totals	72,471	15.9	37,136	35,334	71,397	15.6
Adams	259	18.5	124	135	287	20.5
Asotin	233	13.4	119	114	1	.1
Benton	1,748	16.8	911	837	2,039	19.6
Kennewick	814	21.9	450	364	740	19.9
Richland	410	13.6	213	197	956	31.7
Chelan	832	16.7	412	420	1,199	24.1
Wenatchee	341	18.1	166	175	1,106	58.6
Clallam	704	12.9	372	332	710	13.1
Port Angeles	244	14.1	135	109	622	35.9
Clark	3,465	16.2	1,788	1,677	2,318	10.8
Vancouver	1,529	35.3	774	755	2,304	53.2
Columbia	52	12.7	27	25	1	.2
Cowlitz	1,254	15.6	646	608	1,347	16.7
Kelso	225	20.7	128	97	2	.2
Longview	531	18.0	266	265	1,339	45.3
Douglas	349	14.5	179	170	6	.2
Ferry	77	12.6	38	39	36	5.9
Franklin	778	21.9	418	360	658	18.5
Pasco	518	28.1	279	239	655	35.5
Garfield	12	5.0	10	2		
Grant	892	17.0	460	432	702	13.3
Moses Lake	199	18.7	100	99	597	56.1
Grays Harbor	958	15.1	508	450	670	10.6
Aberdeen	293	17.1	167	126	659	38.5
Island	932	17.5	443	489	792	14.8
Oak Harbor	416	28.9	198	218	25	1.7
Jefferson	230	12.4	116	114	177	9.5
King	21,205	15.0	10,863	10,342	23,939	16.9
Auburn	635	20.6	333	302	605	19.6
Bellevue	975	11.4	482	493	2,254	26.5
Des Moines	142	10.1	74	68	1	.1
Kent	589	18.2	313	276	22	.7
Kirkland	351	9.8	186	165	1,965	54.9
Mercer Island	188	9.1	94	94	5	.2
Redmond	504	15.9	270	234	1,463	46.1
Renton	649	17.6	351	298	2,798	75.7
Seattle	7,020	14.2	3,565	3,455	13,661	27.5
Kitsap	2,850	16.1	1,448	1,402	2,495	14.1
Bremerton	1,074	29.0	554	520	1,897	51.2
Kittitas	295	11.8	144	151	274	11.0
Ellensburg	134	11.7	64	70	271	23.6
Klickitat	221	13.3	101	120	224	13.5
Lewis	851	14.8	434	417	898	15.6
Centralia	215	18.1	112	103	646	54.5
Lincoln	102	10.5	63	39	9	.9
Mason	443	12.0	227	216	225	6.1
Okanogan	543	17.1	275	268	527	16.6
Pacific	253	14.4	136	117	124	7.0
Pend Oreille	125	14.2	52	73	58	6.6
Pierce	9,924	18.1	5,132	4,792	10,560	19.3
Puyallup	405	19.4	216	189	1,356	65.1
Tacoma	3,334	20.7	1,709	1,625	6,478	40.1
San Juan	104	10.8	58	46	9	.9
Skagit	1,101	15.6	550	551	1,385	19.6
Anacortes	141	13.7	60	81	192	18.6
Mount Vernon	289	19.8	146	143	885	60.7
Skamania	107	13.4	57	50	1	.1
Snohomish	7,371	18.0	3,766	3,604	5,067	12.4
Edmonds	459	16.1	231	228	1,548	54.3
Everett	1,585	26.0	803	782	2,916	47.9
Lynnwood	618	24.3	292	326	24	.9
Mountlake Terrace	269	16.5	137	132	8	.5
Spokane	5,311	15.0	2,743	2,568	6,082	17.2
Spokane (city)	2,983	17.5	1,540	1,443	5,612	33.0
Stevens	399	13.2	203	196	243	8.0
Thurston	2,190	14.7	1,144	1,046	2,079	13.9
Lacey	307	18.7	153	154	4	.2
Olympia	616	20.4	326	290	2,058	68.0
Wahkiakum	39	11.1	23	16	1	.3
Walla Walla	630	13.0	312	318	885	18.3
Walla Walla (city)	374	14.7	186	188	876	34.4
Whatcom	1,673	14.0	859	814	1,598	13.4
Bellingham	644	13.8	348	296	1,580	33.9
Whitman	405	10.4	200	205	365	9.4
Pullman	191	8.6	97	94	353	15.9
Yakima	3,554	19.1	1,775	1,779	3,406	18.3
Yakima (city)	1,004	20.3	494	510	2,544	51.4

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Table 7. Live Birth Intercounty Travel Patterns

Occurrence → Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams	168		13								3		28	1			
Asotin		1															
Benton	3		1426								233		1				2
Chelan				792													18
Clallam					670									3	1	5	18
Clark						2203		7									3
Columbia							1	3			2						
Cowlitz						61		1108									2
Douglas				307					6				3				4
Ferry										33			1				
Franklin	39		315	2				1			396						1
Garfield																	
Grant	72		16	89							3		643				6
Grays Harbor					2									618			28
Island															771		32
Jefferson					28											163	17
King			2	2		1		6					1			1	20150
Kitsap															1	5	202
Kittitas				2													8
Klickitat			1			1											
Lewis								26					1	1			14
Lincoln													3				
Mason					1									1		1	15
Okanogan			1	3						1			21				4
Pacific								6						43			
Pend Oreille																	
Pierce					1	2		3						1			755
San Juan																	6
Skagit															10		31
Skamania						11											
Snohomish			2		2			1			1				5	1	2419
Spokane			1														1
Stevens										2							
Thurston			1		4			2						1			49
Wahkiakum								29									
Walla Walla			17								9						1
Whatcom						1								1	2		35
Whitman	3																2
Yakima	2		214	1				1			5				1		15
Out-of-State			30	1	2	38		154			6				1	1	101

Residence and Occurrence, Washington State 1988

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
				2										41	1							2
														5						7		220
									1				1	16				5	1		47	12
						17								3					1			1
2			1						1				1			1						1
1		2							3					1							1	1244
																		44				2
			7				2		4				1			2						67
						27								2								
						3								21	19							
														19				2				3
											1			1				1		1		8
	5			3		1								43							9	2
	2		35		4		37		20				1			208						3
2			1						10		78		34						1			3
17			1		1				2				1									
11			2		2	1			739		2		225	4		5		1	1		1	48
2341					1				276				10			1						13
	258						1				1										25	
		141																1			6	71
			739						15							48					3	4
				4										94								1
83			2		211				31							97						1
						475								34					1	1	1	1
			7				82		3							21		1				90
								45						58	12							10
30	1		6		1	1	1		9034				7			48		1			2	30
										9	82		1						6			
1									1		1033		10	1					12		1	1
		32							2			1		1								60
2	1		2						15		122		4765	1	1	4			8	1	4	14
								1	2					5276	1					1		28
	1													186	209							1
2			95		5				375		2		1	1		1641						11
																	1					9
														6				589				8
							1		1		61		5			1			1561			4
									1					68					1	287		43
	4								3		1			2							3299	6
3	2	49				2		12	21		2		4	198		2		240	5	67	7	▨

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Table 8

Live Births by Child's Race by Place of Residence, Washington State 1988

County and City	Total	White	African-American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[1]
State Totals	72,471	61,905	3,586	2,066	335	238	621	2,877	12	831	4,556
Adams	259	256		1	2						146
Asotin	233	220	2	10				1			
Benton	1,748	1,645	36	16	2	2		46		1	218
Kennewick	814	759	21	9	2			23			107
Richland	410	378	11	3				17		1	21
Chelan	832	812	1	11	1	1		5		1	176
Wenatchee	341	331	1	7	1			1			44
Clallam	704	626	4	62	2	3	2	4		1	17
Port Angeles	244	230	2	8	1		1	2			5
Clark	3,465	3,175	77	51	10	6	16	85		45	85
Vancouver	1,529	1,358	52	28	7	4	11	54		15	50
Columbia	52	51					1				9
Cowlitz	1,254	1,188	7	30	2	1	4	17		5	40
Kelso	225	206	1	9	1	1	1	6			13
Longview	531	496	3	16			2	10		4	17
Douglas	349	343		2		1		1	2		65
Ferry	77	52		25							1
Franklin	778	720	32	4	1	1	1	16		3	325
Pasco	518	470	30	4		1		11		2	251
Garfield	12	11					1				
Grant	892	858	9	11	8		2	3		1	248
Moses Lake	199	186	4	1	5		1	2			54
Grays Harbor	958	836	3	93	3		4	17		2	28
Aberdeen	293	253	1	29			2	8			7
Island	932	820	41	10	6	1	28	22	1	3	39
Oak Harbor	416	346	31	3			21	14		1	26
Jefferson	230	218	1	8	1	1		1			7
King	21,205	16,745	1,580	369	161	149	338	1,458		405	765
Auburn	635	568	12	17	2	1	6	21		8	17
Bellevue	975	799	36	2	9	6	4	96		23	21
Des Moines	142	120	7	4			1	8		2	8
Kent	589	507	26	14	3	2	3	22		12	21
Kirkland	351	307	6	1		1	2	14		20	10
Mercer Island	188	165	1		3	5		13		1	2
Redmond	504	444	9	2	3	4	3	22		17	14
Renton	649	520	47	16	6	6	8	33		13	25
Seattle	7,020	4,530	1,091	166	61	86	217	749		118	312
Kitsap	2,850	2,462	134	74	12	6	55	102	1	4	156
Bremerton	1,074	843	104	26	5	3	32	59	1	1	80
Kittitas	295	280	1	8			2	4			5
Ellensburg	134	122	1	5			2	4			4
Klickitat	221	192		21						8	11
Lewis	851	821	3	14	2			9		2	28
Centralia	215	207	1	3				4			11
Lincoln	102	98		4							
Mason	443	386	2	36	2	1	2	9	1	4	17
Okanogan	543	435		103			1	2		2	115
Pacific	253	231	1	11	2		1	4		3	9
Pend Oreille	125	113		9				2		1	3
Pierce	9,924	7,846	1,272	227	57	16	77	585	2	42	540
Puyallup	405	359	9	11	6	1	2	16		1	12
Tacoma	3,334	2,258	589	111	18	7	32	306		13	157
San Juan	104	101		1	1					1	
Skagit	1,101	1,037	3	39	3	2	2	11		4	146
Anacortes	141	129	1	6	1	1	1	1		1	5
Mount Vernon	289	281	1	3				3		1	67
Skamania	107	100		1	1		1			4	3
Snohomish	7,371	6,597	102	162	12	18	35	244		201	192
Edmonds	459	414	7	8	1	2		27			7
Everett	1,585	1,372	35	41	2	3	8	58		66	47
Lynnwood	618	527	23	13		1	4	38		12	16
Mountlake Terrace	269	241	3	3		2	3	13		4	9
Spokane	5,311	4,874	147	146	25	11	18	81		9	117
Spokane (city)	2,983	2,672	99	114	18	7	12	55		6	73
Stevens	399	333		59	3	1	1	1		1	5
Thurston	2,190	1,948	57	55	9	4	15	72		30	90
Lacey	307	265	15	1	3		3	15		5	13
Olympia	616	521	20	22	3	4	5	34		7	28
Wahkiakum	39	38								1	1
Walla Walla	630	613	4	5	2		1	3		2	98
Walla Walla (city)	374	360	4	4			1	3		2	54
Whatcom	1,673	1,475	10	120	1	3	2	33		29	84
Bellingham	644	548	7	54	1	2	2	20		10	18
Whitman	405	355	18	4	1	9		18			7
Pullman	191	149	14	2	1	6		17			3
Yakima	3,554	3,194	39	284	3	1	11	21	5	16	760
Yakima (city)	1,004	909	29	45	1		5	9		6	11

[1] Hispanic numbers are not included in total sum.

Table 9

Live Births by Mother's Age Group by Place of Residence, Washington State 1988

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Totals	72,471	97	2,498	5,045	19,344	23,246	15,730	5,577	823	34	77
Adams	259		9	24	96	71	47	10	2		
Asotin	233	1	11	33	88	63	29	8			
Benton	1,748	1	64	127	493	605	340	101	17		
Kennewick	814		35	69	243	277	143	40	7		
Richland	410		9	27	105	145	87	34	3		
Chelan	832	3	24	54	258	285	151	47	9		1
Wenatchee	341	3	14	21	109	113	59	18	3		1
Clallam	704	1	24	63	212	213	140	47	3		1
Port Angeles	244		9	28	65	77	50	13	2		
Clark	3,465	4	123	278	1,030	1,063	685	239	39	3	1
Vancouver	1,529	2	63	155	549	429	250	68	13		
Columbia	52		3	8	17	16	5	3			
Cowlitz	1,254	8	65	140	430	388	156	60	6	1	
Kelso	225	3	10	38	99	51	16	6	1	1	
Longview	531	5	37	61	173	164	61	27	3		
Douglas	349		15	19	109	113	72	17	4		
Ferry	77		5	8	26	13	15	8	2		
Franklin	778	3	51	66	231	245	125	51	4		2
Pasco	518	3	41	55	169	154	68	27	1		
Garfield	12		1		3	5	3				
Grant	892	1	51	75	258	293	158	43	11	2	
Moses Lake	199	1	12	17	63	62	34	8	2		
Grays Harbor	958		58	97	300	268	162	53	19	1	
Aberdeen	293		22	31	93	71	46	22	7	1	
Island	932		15	70	323	293	160	60	11		
Oak Harbor	416		4	33	183	127	48	19	2		
Jefferson	230		5	15	54	69	53	32	2		
King	21,205	17	539	934	4,160	6,976	5,883	2,303	334	8	51
Auburn	635	3	23	70	215	204	95	19	4	1	1
Bellevue	975		9	26	150	347	315	103	23		2
Des Moines	142		4	8	35	60	24	7	3		1
Kent	589		10	32	201	204	111	22	8		1
Kirkland	351		8	10	80	116	98	30	7		2
Mercer Island	188		2	1	13	39	80	48	5		
Redmond	504		5	15	80	176	166	54	6		2
Renton	649		17	32	183	236	133	42	5		1
Seattle	7,020	8	249	319	1,240	1,905	2,093	1,036	146	3	21
Kitsap	2,850	1	94	234	831	896	561	200	32	1	
Bremerton	1,074	1	45	128	384	309	146	52	9		
Kittitas	295	1	7	13	85	103	62	20	4		
Ellensburg	134	1	5	8	49	41	20	8	2		
Klickitat	221	2	6	23	75	61	41	10	3		
Lewis	851	1	41	98	284	248	125	49	3	2	
Centralia	215		14	35	72	60	24	10			
Lincoln	102			3	31	40	22	6			
Mason	443	2	23	49	121	134	80	30	3	1	
Okanogan	543		32	51	162	158	99	39	2		
Pacific	253		13	19	72	85	45	13	5	1	
Pend Oreille	125		7	19	37	33	23	6			
Pierce	9,924	11	353	816	3,179	3,145	1,761	565	87	5	2
Puyallup	405		18	25	143	119	74	24	2		
Tacoma	3,334	6	165	299	1,040	1,029	560	200	31	4	
San Juan	104		1	1	12	35	33	19	3		
Skagit	1,101	1	47	90	307	350	230	63	12	1	
Anacortes	141		4	12	41	43	33	8			
Mount Vernon	289		9	34	96	86	46	16	2		
Skamania	107		9	4	29	35	20	8	2		
Snohomish	7,371	4	180	459	1,825	2,592	1,694	548	63	3	3
Edmonds	459		5	19	89	150	136	53	6		1
Everett	1,585	2	52	139	527	513	263	83	4	1	1
Lynnwood	618		7	42	172	218	128	42	8	1	
Mountlake Terrace	269		12	19	62	103	55	16	2		
Spokane	5,311	6	192	428	1,546	1,745	1,020	315	46	2	11
Spokane (city)	2,983	2	127	273	869	976	540	168	23	1	4
Stevens	399		19	41	135	98	77	23	5	1	
Thurston	2,190	5	77	166	630	640	445	189	34	1	3
Lacey	307		17	24	104	92	44	22	3		1
Olympia	616	3	26	51	186	160	136	46	7		1
Wahkiakum	39		2	3	13	10	4	6	1		
Walla Walla	630	3	30	49	175	210	130	26	6	1	
Walla Walla (city)	374	2	18	36	102	127	67	15	6	1	
Whatcom	1,673	4	58	97	433	526	393	148	12		2
Bellingham	644	2	20	40	162	193	154	66	5		2
Whitman	405		6	16	89	160	105	25	4		
Pullman	191		4	6	40	73	53	13	2		
Yakima	3,554	17	238	355	1,185	963	576	187	33		
Yakima (city)	1,004	6	61	115	364	250	154	44	10		

Table 10

Live Births by Month by Place of Residence, Washington State 1988

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Totals	72,471	5,528	5,526	6,261	6,030	6,392	6,228	6,351	6,367	6,252	5,995	5,782	5,759
Adams	259	18	20	16	19	23	29	23	21	26	23	20	21
Asotin	233	17	24	6	21	17	20	25	22	22	14	25	20
Benton	1,748	133	139	159	145	148	164	162	172	135	145	117	129
Kennewick	814	79	67	57	62	69	81	77	82	59	65	54	62
Richland	410	29	31	37	32	33	40	40	32	35	42	28	31
Chelan	832	71	56	72	63	57	75	83	62	82	75	68	68
Wenatchee	341	30	21	35	27	24	37	29	27	25	29	26	31
Clallam	704	62	59	56	52	57	47	60	69	62	57	59	64
Port Angeles	244	25	20	16	26	18	17	17	20	21	19	22	23
Clark	3,465	263	284	284	277	302	266	323	320	257	297	273	319
Vancouver	1,529	123	128	138	122	118	111	138	142	116	123	120	150
Columbia	52	8	3	7	5	8	5	3	2	2	2	5	2
Cowlitz	1,254	104	104	122	108	95	89	102	99	107	109	100	115
Kelso	225	25	16	20	18	11	19	19	21	15	17	23	21
Longview	531	38	49	51	53	46	32	47	36	48	49	39	43
Douglas	349	25	25	23	32	39	19	32	33	39	31	25	26
Ferry	77	7	2	11	5	7	4	6	8	8	9	5	5
Franklin	778	59	57	53	88	66	70	77	55	73	66	56	58
Pasco	518	40	37	35	59	37	55	49	37	43	48	36	42
Garfield	12	2	—	2	2	—	2	—	2	1	1		
Grant	892	61	58	95	68	58	80	90	87	78	76	75	66
Moses Lake	199	16	13	16	21	5	19	14	18	19	18	24	16
Grays Harbor	958	72	81	71	83	82	68	87	98	79	76	80	81
Aberdeen	293	19	27	18	33	30	22	31	22	13	23	23	32
Island	932	79	72	70	62	87	76	86	86	85	85	74	70
Oak Harbor	416	33	28	26	24	41	34	40	45	35	45	32	33
Jefferson	230	20	16	19	26	20	29	15	21	20	19	11	14
King	21,205	1,615	1,593	1,860	1,746	1,940	1,856	1,765	1,895	1,794	1,752	1,735	1,654
Auburn	635	49	62	59	43	53	46	56	61	59	40	57	50
Bellevue	975	59	90	87	76	95	97	70	92	86	87	65	71
Des Moines	142	7	11	7	12	9	10	10	13	11	24	8	20
Kent	589	34	38	34	47	43	49	66	70	44	53	56	55
Kirkland	351	31	20	27	28	40	30	30	25	32	33	24	31
Mercer Island	188	15	10	12	12	16	15	22	29	14	14	19	10
Redmond	504	36	30	48	52	35	42	48	38	43	50	39	43
Renton	649	52	52	53	58	54	52	60	59	59	49	54	47
Seattle	7,020	541	560	613	554	640	651	594	634	559	566	576	532
Kitsap	2,850	201	221	250	256	206	239	284	266	243	244	204	236
Bremerton	1,074	74	79	81	94	88	96	108	102	94	92	78	88
Kittitas	295	21	16	41	32	22	25	19	22	31	20	23	23
Ellensburg	134	13	6	18	19	9	13	10	8	7	10	11	10
Klickitat	221	14	17	24	18	13	17	20	20	30	20	14	14
Lewis	851	64	78	73	64	77	76	68	83	86	61	51	70
Centralia	215	17	18	19	21	15	16	22	18	25	12	13	19
Lincoln	102	9	8	13	14	11	3	5	7	8	7	6	11
Mason	443	33	34	26	39	42	41	47	31	39	40	32	39
Okanogan	543	32	38	45	41	41	40	52	58	52	56	40	48
Pacific	253	16	24	25	17	20	24	29	18	23	20	17	20
Pend Oreille	125	10	10	4	9	10	13	12	8	16	13	9	11
Pierce	9,924	791	801	887	866	883	820	829	847	869	769	772	790
Puyallup	405	33	29	32	38	40	33	48	35	35	22	32	28
Tacoma	3,334	262	275	295	301	286	296	297	286	283	254	247	252
San Juan	104	12	6	8	6	7	7	11	9	5	15	10	8
Skagit	1,101	66	78	91	88	113	96	129	89	85	87	80	99
Anacortes	141	5	10	13	11	17	9	17	12	11	12	13	11
Mount Vernon	289	19	20	25	21	26	32	30	20	23	25	18	30
Skamania	107	10	8	7	8	15	14	6	5	9	8	8	9
Snohomish	7,371	553	544	636	609	656	628	667	631	623	620	612	592
Edmonds	459	42	34	43	30	41	41	49	32	39	36	35	37
Everett	1,585	121	114	126	149	147	143	142	128	143	124	125	123
Lynnwood	618	49	43	49	37	59	55	55	65	49	57	50	50
Mountlake Terrace	269	21	12	23	16	16	22	26	24	30	29	28	22
Spokane	5,311	448	384	432	476	472	472	432	445	483	444	426	397
Spokane (city)	2,983	269	193	231	261	266	269	252	240	274	248	254	226
Stevens	399	33	34	35	34	37	33	27	40	30	34	30	32
Thurston	2,190	134	186	200	183	210	194	190	164	181	177	196	175
Lacey	307	20	29	32	32	26	20	28	30	21	21	28	20
Olympia	616	46	61	62	41	59	59	50	50	48	42	51	47
Wahkiakum	39	5	3	2	3	4	—	4	1	4	4	3	6
Walla Walla	630	43	40	73	40	66	57	65	62	41	45	49	49
Walla Walla (city)	374	24	25	44	27	41	37	41	31	28	30	21	25
Whatcom	1,673	111	133	145	138	137	137	165	183	142	123	141	118
Bellingham	644	45	55	51	56	58	62	61	64	59	35	50	48
Whitman	405	35	34	41	32	40	31	24	25	49	36	27	31
Pullman	191	16	18	17	21	17	16	13	9	25	13	12	14
Yakima	3,554	271	236	277	255	304	362	327	301	333	315	304	269
Yakima (city)	1,004	85	56	78	65	83	102	104	86	81	106	94	64

Table 11

Live Births by Birth Weight in Grams by Place of Residence, Washington State 1988

County and City	Total	1000 or Less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 and Over	Not Stated
State Totals	72,471	303	327	730	2,445	9,443	24,934	23,754	8,494	1,923	118
Adams	259		2	4	9	27	101	85	24	7	
Asotin	233	3		3	8	29	86	70	28	6	
Benton	1,748	5	6	16	51	217	628	548	220	57	
Kennewick	814	1	1	9	19	115	293	257	93	26	
Richland	410	3	2	3	15	42	137	138	57	13	
Chelan	832	2	2	10	25	103	282	304	85	18	1
Wenatchee	341		2	3	9	48	113	118	38	10	
Clallam	704	3	2	3	21	75	250	239	86	25	
Port Angeles	244	1		2	8	32	87	79	25	10	
Clark	3,465	11	13	39	98	456	1,137	1,142	456	104	9
Vancouver	1,529	6	3	10	46	226	533	478	184	37	6
Columbia	52		1		1	10	13	17	8	2	
Cowlitz	1,254	2	3	20	46	144	410	434	147	42	6
Kelso	225	2		4	12	33	67	72	19	13	3
Longview	531		3	10	16	54	178	188	66	14	2
Douglas	349			3	13	48	120	114	43	7	1
Ferry	77			1	3	8	22	37	5	1	
Franklin	778	5	6	9	19	106	269	261	79	24	
Pasco	518	4	6	6	13	66	178	185	48	12	
Garfield	12	1					3	5	2	1	
Grant	892		7	4	34	120	316	279	115	16	1
Moses Lake	199			1	8	30	82	52	26		
Grays Harbor	958	7	7	12	35	100	336	312	110	34	5
Aberdeen	293	3	1	1	13	32	109	90	31	12	1
Island	932	2	2	5	20	114	295	340	123	31	
Oak Harbor	416	1	1	2	8	53	130	162	45	14	
Jefferson	230	3	1	4	7	32	61	74	42	6	
King	21,205	94	101	217	776	2,820	7,365	6,899	2,389	533	11
Auburn	635	5	1	8	24	84	215	205	82	11	
Bellevue	975	5	3	7	23	97	364	345	110	21	
Des Moines	142			3	7	18	43	51	15	5	
Kent	589	2	1	8	22	88	192	197	63	15	1
Kirkland	351	1		3	10	35	122	127	42	11	
Mercer Island	188		2	2	5	17	69	63	28	2	
Redmond	504	2	3	3	17	64	160	184	59	12	
Renton	649	2	3	7	20	88	239	205	69	16	
Seattle	7,020	44	48	90	310	1,105	2,487	2,096	679	153	8
Kitsap	2,850	9	14	18	95	336	973	930	374	98	3
Bremerton	1,074	4	7	11	45	121	385	334	130	35	2
Kittitas	295	1	2	2	13	30	108	96	34	9	
Ellensburg	134	1	1		2	11	52	48	14	5	
Klickitat	221	1	3	1	6	26	76	70	28	10	
Lewis	851	4	3	5	27	111	286	283	110	21	1
Centralia	215	1		3	6	31	66	71	28	8	1
Lincoln	102					15	28	39	17	3	
Mason	443	1		5	13	57	140	152	54	15	6
Okanogan	543	1	1	13	13	89	203	154	56	10	3
Pacific	253		1	2	1	32	109	76	23	5	4
Pend Oreille	125		2	3	3	28	41	30	12	6	
Pierce	9,924	51	66	128	429	1,399	3,472	3,089	1,062	222	6
Puyallup	405		5	2	12	45	134	150	47	10	
Tacoma	3,334	23	20	39	151	546	1,184	961	340	68	2
San Juan	104		1		1	8	43	38	11	1	1
Skagit	1,101	3	5	10	28	132	393	370	137	23	
Anacortes	141		1			13	47	56	23	1	
Mount Vernon	289		2	4	8	41	104	96	30	4	
Skamania	107	1			4	10	30	42	16	3	1
Snohomish	7,371	34	33	69	205	881	2,441	2,514	969	225	
Edmonds	459	2	2	6	10	55	162	156	52	14	
Everett	1,585	5	7	14	53	199	546	487	218	56	
Lynnwood	618	6	3	6	19	72	207	212	73	20	
Mountlake Terrace	269	1	1	5	7	27	108	87	29	4	
Spokane	5,311	25	18	49	181	719	1,921	1,735	544	115	4
Spokane (city)	2,983	19	9	25	105	433	1,091	962	276	61	2
Stevens	399	1		4	16	53	135	134	43	13	
Thurston	2,190	13	2	19	65	252	710	736	274	70	49
Lacey	307			2	9	33	87	121	39	8	8
Olympia	616	3	1	5	18	67	209	196	82	20	15
Wahkiakum	39			1	1	2	10	16	9		
Walla Walla	630	5		2	15	95	204	222	78	9	
Walla Walla (city)	374	3		1	10	58	124	129	47	2	
Whatcom	1,673	4	5	14	33	206	529	563	272	43	2
Bellingham	644	1	3	7	11	77	209	211	109	15	1
Whitman	405	1	3	6	8	55	133	145	47	7	
Pullman	191		1	1	6	26	64	71	19	3	
Yakima	3,554	10	15	29	122	496	1,255	1,160	362	101	4
Yakima (city)	1,004	4	5	11	41	160	365	309	91	18	

Table 12

Multiple Births by Number Born Alive Each Set by Place of Residence, Washington State 1988

County and City	Sets of Twins			Sets of Triplets				Sets of Four or More[1]
	2 Born Alive	1 Born Alive	None Alive	3 Born Alive	2 Born Alive	1 Born Alive	None Alive	Total
State Total	745	32		14	2			2
Adams	3							
Asotin	2							
Benton	17	1						
Kennewick	9	1						
Richland	5							
Chelan	10							
Wenatchee	2							
Clallam	5							
Port Angeles	4							
Clark	29	3						
Vancouver	12							
Columbia	1							
Cowlitz	11							
Kelso	2							
Longview	6							
Douglas	5	1						
Ferry	1							
Franklin	9							
Pasco	8							
Garfield								
Grant	7							
Moses Lake	2							
Grays Harbor	17	1						
Aberdeen	4							
Island	7	2						
Oak Harbor	4							
Jefferson	2							
King	222	10		6				2
Auburn	8							
Bellevue	9							
Des Moines								
Kent	4							1
Kirkland	1							
Mercer Island	4							
Redmond	5							
Renton	5	1						
Seattle	73	5		2				
Kitsap	22			2				
Bremerton	7			2				
Kittitas	4							
Ellensburg	1							
Klickitat	2							
Lewis	4	1						
Centralia	3	1						
Lincoln								
Mason	5							
Okanogan	5	2						
Pacific	1							
Pend Oreille	2							
Pierce	113	4		4	2			
Puyallup	4							
Tacoma	33			1	1			
San Juan								
Skagit	11							
Anacortes	1							
Mount Vernon	3							
Skamania	1							
Snohomish	74	4		2				
Edmonds	5							
Everett	16							
Lynnwood	7	1						
Mountlake Terrace	3							
Spokane	65	1						
Spokane (city)	32							
Stevens	7							
Thurston	19							
Lacey	3							
Olympia	6							
Wahkiakum								
Walla Walla	5							
Walla Walla (city)	3							
Whatcom	20	1						
Bellingham	10	1						
Whitman	3							
Pullman	1							
Yakima	34	1						
Yakima (city)	13							

[1] Two sets of quadruplets: One set, 1 live born; One set, 2 live born.

Table 13

Live Births with Malformations with Percent of Total Births by Place of Residence, Washington State 1988

County and City	Total Births	Births with Malformations	Percent of Total Births[1]	Total Malformations[2]
State Total	72,471	1,375	1.9	1,574
Adams	259	4	1.5	8
Asotin	233	4	1.7	4
Benton	1,748	19	1.1	23
Kennewick	814	9	1.1	12
Richland	410	3	.7	4
Chelan	832	17	2.0	18
Wenatchee	341	9	2.6	10
Clallam	704	14	2.0	15
Port Angeles	244	3	1.2	3
Clark	3,465	23	.7	28
Vancouver	1,529	8	.5	8
Columbia	52	1	1.9	1
Cowlitz	1,254	18	1.4	21
Kelso	225	6	2.7	8
Longview	531	8	1.5	9
Douglas	349	3	.9	3
Ferry	77	2	2.6	2
Franklin	778	16	2.1	19
Pasco	518	9	1.7	10
Garfield	12			
Grant	892	13	1.5	16
Moses Lake	199	1	.5	1
Grays Harbor	958	26	2.7	31
Aberdeen	293	10	3.4	11
Island	932	23	2.5	27
Oak Harbor	416	9	2.2	10
Jefferson	230	4	1.7	4
King	21,205	387	1.8	432
Auburn	635	11	1.7	12
Bellevue	975	24	2.5	26
Des Moines	142	2	1.4	3
Kent	589	6	1.0	6
Kirkland	351	3	.9	3
Mercer Island	188	2	1.1	2
Redmond	504	14	2.8	14
Renton	649	10	1.5	10
Seattle	7,020	139	2.0	160
Kitsap	2,850	99	3.5	116
Bremerton	1,074	38	3.5	44
Kittitas	295	2	.7	4
Ellensburg	134	1	.8	1
Klickitat	221	1	.5	1
Lewis	851	14	1.7	20
Centralia	215	3	1.4	3
Lincoln	102	3	2.9	3
Mason	443	6	1.4	6
Okanogan	543	16	3.0	18
Pacific	253	4	1.6	6
Pend Oreille	125	3	2.4	4
Pierce	9,924	301	3.0	330
Puyallup	405	6	1.5	6
Tacoma	3,334	65	2.0	72
San Juan	104			
Skagit	1,101	19	1.7	26
Anacortes	141	3	2.1	3
Mount Vernon	289	5	1.7	8
Skamania	107	2	1.9	2
Snohomish	7,371	131	1.8	153
Edmonds	459	11	2.4	13
Everett	1,585	21	1.3	26
Lynnwood	618	8	1.3	9
Mountlake Terrace	269	3	1.1	3
Spokane	5,311	63	1.2	73
Spokane (city)	2,983	34	1.1	39
Stevens	399	8	2.0	9
Thurston	2,190	45	2.1	48
Lacey	307	7	2.3	7
Olympia	616	12	2.0	13
Wahkiakum	39	1	2.6	1
Walla Walla	630	11	1.8	12
Walla Walla(city)	374	7	1.9	7
Whatcom	1,673	44	2.6	57
Bellingham	644	16	2.5	21
Whitman	405	6	1.5	7
Pullman	191	2	1.1	2
Yakima	3,554	22	.6	26
Yakima (city)	1,004	3	.3	3

[1] Total may not add up to 100% due to rounding.
[2] Individual births may have more than one malformation.

Table 14

Live Births with Maternal Smoking by Mother's Place of Residence, Washington State 1988

County and City	Total Births	Births with Maternal Smoking		Births with No Maternal Smoking		Births with Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	72,471	17,095	23.5	51,376	70.8	4,000	5.5
Adams	259	32	12.3	221	85.3	6	2.3
Asotin	233	7	3.0	6	2.5	220	94.4
Benton	524	87	16.6	405	77.2	32	6.1
Kennewick	814	197	24.2	582	71.4	35	4.2
Richland	410	71	17.3	304	74.1	35	8.5
Chelan	491	59	12.0	427	86.9	5	1.0
Wenatchee	341	48	14.0	288	84.4	5	1.4
Clallam	460	136	29.5	316	68.6	8	1.7
Port Angeles	244	67	27.4	175	71.7	2	.8
Clark	1,936	344	17.7	839	43.3	753	38.8
Vancouver	1,529	409	26.7	590	38.5	530	34.6
Columbia	52	8	15.3	42	80.7	2	3.8
Cowlitz	498	155	31.1	308	61.8	35	7.0
Kelso	225	90	40.0	122	54.2	13	5.7
Longview	531	190	35.7	313	58.9	28	5.2
Douglas	349	37	10.6	311	89.1	1	.2
Ferry	77	23	29.8	51	66.2	3	3.8
Franklin	260	29	11.1	221	85.0	10	3.8
Pasco	518	90	17.3	396	76.4	32	6.1
Garfield	12			4	33.3	8	66.6
Grant	693	155	22.3	532	76.7	6	.8
Moses Lake	199	54	27.1	145	72.8		
Grays Harbor	665	246	36.9	400	60.1	19	2.8
Aberdeen	293	112	38.2	172	58.7	9	3.0
Island	516	130	25.1	381	73.8	5	.9
Oak Harbor	416	116	27.8	296	71.1	4	.9
Jefferson	230	59	25.6	168	73.0	3	1.3
King	10,152	1,901	18.7	7,854	77.3	397	3.9
Auburn	635	193	30.3	408	64.2	34	5.3
Bellevue	975	105	10.7	846	86.7	24	2.4
Des Moines	142	42	29.5	94	66.1	6	4.2
Kent	589	152	25.8	402	68.2	35	5.9
Kirkland	351	65	18.5	272	77.4	14	3.9
Mercer Island	188	11	5.8	173	92.0	4	2.1
Redmond	504	66	13.0	422	83.7	16	3.1
Renton	649	136	20.9	491	75.6	22	3.3
Seattle	7,020	1,227	17.4	5,296	75.4	497	7.0
Kitsap	1,776	401	22.5	1,348	75.9	27	1.5
Bremerton	1,074	316	29.4	741	68.9	17	1.5
Kittitas	161	34	21.1	122	75.7	5	3.1
Ellensburg	134	31	23.1	101	75.3	2	1.4
Klickitat	221	62	28.0	85	38.4	74	33.4
Lewis	636	179	28.1	430	67.6	27	4.2
Centralia	215	73	33.9	134	62.3	8	3.7
Lincoln	102	13	12.7	86	84.3	3	2.9
Mason	443	140	31.6	289	65.2	14	3.1
Okanogan	543	149	27.4	342	62.9	52	9.5
Pacific	253	54	21.3	97	38.3	102	40.3
Pend Oreille	125	50	40.0	60	48.0	15	12.0
Pierce	6,185	1,605	25.9	4,462	72.1	118	1.9
Puyallup	405	109	26.9	288	71.1	8	1.9
Tacoma	3,334	1,048	31.4	2,228	66.8	58	1.7
San Juan	104	23	22.1	79	75.9	2	1.9
Skagit	671	180	26.8	482	71.8	9	1.3
Anacortes	141	29	20.5	109	77.3	3	2.1
Mount Vernon	289	75	25.9	211	73.0	3	1.0
Skamania	107	25	23.3	22	20.5	60	56.0
Snohomish	4,440	1,037	23.3	3,291	74.1	112	2.5
Edmonds	459	114	24.8	325	70.8	20	4.3
Everett	1,585	538	33.9	1,027	64.7	20	1.2
Lynnwood	618	143	23.1	459	74.2	16	2.5
Mountlake Terrace	269	83	30.8	182	67.6	4	1.4
Spokane	2,328	593	25.4	1,706	73.2	29	1.2
Spokane (city)	2,983	955	32.0	1,998	66.9	30	1.0
Stevens	399	126	31.5	267	66.9	6	1.5
Thurston	1,267	353	27.8	867	68.4	47	3.7
Lacey	307	77	25.0	223	72.6	7	2.2
Olympia	616	168	27.2	435	70.6	13	2.1
Wahkiakum	39	14	35.8	16	41.0	9	23.0
Walla Walla	256	42	16.4	206	80.4	8	3.1
Walla Walla (city)	374	99	26.4	271	72.4	4	1.0
Whatcom	1,029	227	22.0	745	72.4	57	5.5
Bellingham	644	159	24.6	452	70.1	33	5.1
Whitman	214	42	19.6	148	69.1	24	11.2
Pullman	191	11	5.7	161	84.2	19	9.9
Yakima	2,550	534	20.9	1,957	76.7	59	2.3
Yakima (city)	1,004	335	33.3	651	64.8	18	1.7

Table 15

Live Births to Single Mothers by Place of Residence by Age of Mother, Washington State 1988

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	16,135	93	2,009	2,988	5,571	3,222	1,541	583	96	5	27
Adams	47		7	10	21	5	2	1	1		
Asotin	99	1	7	28	46	11	5	1			
Benton	395	1	51	76	138	78	36	13	2		
Kennewick	224		29	39	81	45	22	6	2		
Richland	73		9	16	18	18	5	7			
Chelan	185	3	18	26	84	30	17	5	1		1
Wenatchee	100	3	13	13	41	17	10	1	1		1
Clallam	192	1	14	41	72	39	17	7	1		
Port Angeles	67		4	16	19	14	12	2			
Clark	841	4	101	174	311	158	67	25	1		
Vancouver	482	2	46	97	185	99	38	14	1		
Columbia	10		1	3	5			1			
Cowlitz	395	8	49	81	147	81	23	6			
Kelso	103	3	8	22	49	14	7				
Longview	183	5	29	34	63	39	8	5			
Douglas	67		9	9	26	14	8		1		
Ferry	28		4	2	12	4	3	3			
Franklin	223	3	39	37	70	52	16	5			1
Pasco	184	3	32	31	61	40	12	5			
Garfield	1		1								
Grant	205	1	39	37	62	44	13	8	1		
Moses Lake	52	1	10	6	19	10	3	3			
Grays Harbor	297		47	52	110	49	26	11	2		
Aberdeen	97		16	14	42	13	5	5	2		
Island	75		7	15	26	18	7	2			
Oak Harbor	29		1	6	11	11					
Jefferson	43		4	8	13	9	5	4			
King	4,118	17	472	661	1,308	902	499	195	42	1	21
Auburn	204	3	21	50	74	38	14	2	1		1
Bellevue	120		6	17	37	35	19	4	2		
Des Moines	32		3	5	9	9	4	1	1		
Kent	122		9	16	51	28	14	3	1		
Kirkland	56		6	8	22	13	5	1			1
Mercer Island	5		2		2	1					
Redmond	58		4	10	18	9	13	1	1		2
Renton	134		15	19	52	29	13	4	1		1
Seattle	1,840	8	226	258	545	387	253	129	24	1	9
Kitsap	514	1	76	113	156	93	48	22	5		
Bremerton	231	1	34	49	74	42	15	15	1		
Kittitas	56	1	5	6	26	11	6		1		
Ellensburg	34	1	3	4	16	8	1		1		
Klickitat	63	2	3	18	19	13	4	4			
Lewis	206	1	28	41	88	31	12	5			
Centralia	72		8	16	29	14	5				
Lincoln	11			2	5	3		1			
Mason	132	2	17	29	39	28	14	3			
Okanogan	189		27	37	58	40	21	6			
Pacific	71		10	10	26	11	9	4	1		
Pend Oreille	46		6	12	14	8	6				
Pierce	2,401	10	291	463	848	468	221	84	12	3	1
Puyallup	86		11	13	35	15	6	5	1		
Tacoma	1,176	5	149	218	405	227	115	46	8	3	
San Juan	18		1	1	2	7	4	3			
Skagit	258	1	34	56	85	52	23	7			
Anacortes	29		4	4	7	9	3	2			
Mount Vernon	66		5	18	25	13	4	1			
Skamania	25		5	3	11	3	1	1	1		
Snohomish	1,373	4	144	262	511	293	113	41	3	1	1
Edmonds	74		5	11	26	15	13	4			
Everett	444	2	41	82	183	92	33	9	1		1
Lynnwood	108		6	24	43	20	8	6	1		
Mountlake Terrace	53		9	13	13	10	5	3			
Spokane	1,253	6	164	265	441	250	86	35	6		
Spokane (city)	863	2	109	180	317	165	61	25	4		
Stevens	112		16	18	34	26	13	4	1		
Thurston	467	5	60	86	145	96	48	20	6		1
Lacey	69		16	14	20	12	3	2	1		1
Olympia	152	3	21	24	49	25	22	7	1		
Wahkiakum	8			1	3	1		3			
Walla Walla	149	2	23	28	46	30	17	2	1		
Walla Walla(city)	104	2	14	23	34	20	9	1	1		
Whatcom	329	4	48	49	114	64	36	12	1		1
Bellingham	150	2	18	23	51	27	19	9			1
Whitman	39		2	10	19	5	3				
Pullman	17		1	4	9	2	1				
Yakima	1,194	15	179	218	430	195	112	39	6		
Yakima (city)	375	5	49	69	153	55	30	12	2		

Table 16

Live Births by Institutions by Place of Occurrence, Washington State 1988

County and City	Total	General Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Totals	71,397	65,571	241	4,004	1,289	72	220
Adams	287	287					
Asotin	1				1		
Benton	2,039	2,029			10		
Kennewick	740	735			5		
Richland	956	952			4		
Chelan	1,199	1,176			21	1	1
Wenatchee	1,106	1,101			4	1	
Clallam	710	687			22		1
Port Angeles	622	610			11		1
Clark	2,318	2,264			50	2	2
Vancouver	2,304	2,263			38	2	1
Columbia	1				1		
Cowlitz	1,347	1,328			18	1	
Kelso	2				2		
Longview	1,339	1,327			11	1	
Douglas	6				6		
Ferry	36	33			3		
Franklin	658	654			2		2
Pasco	655	654			1		
Garfield							
Grant	702	692			7	3	
Moses Lake	597	594			1	2	
Grays Harbor	670	653			15	1	1
Aberdeen	659	653			5	1	
Island	792	376		394	20	2	
Oak Harbor	25	18			6	1	
Jefferson	177	158			18	1	
King	23,939	23,487	14		356	27	55
Auburn	605	592			12	1	
Bellevue	2,254	2,236			16	2	
Des moines	1				1		
Kent	22	1			21		
Kirkland	1,965	1,918			18		29
Mercer island	5				5		
Redmond	1,463	1,447			13	3	
Renton	2,798	2,785			11	2	
Seattle	13,661	13,411	14		198	16	22
Kitsap	2,495	1,879		557	49	5	5
Bremerton	1,897	1,879			16	2	
Kittitas	274	270			2	1	1
Ellensburg	271	269			1	1	
Klickitat	224	223			1		
Lewis	898	830			68		
Centralia	646	637			9		
Lincoln	9	9					
Mason	225	211			14		
Okanogan	527	507			19		1
Pacific	124	116			7		1
Pend Oreille	58	55			2		1
Pierce	10,560	7,677	80	2,628	122	7	46
Puyallup	1,356	1,344			12		
Tacoma	6,478	6,333	80		58	6	1
San Juan	9				7		2
Skagit	1,385	1,207	144		31	1	2
Anacortes	192	181			11		
Mount Vernon	885	733	144		7		1
Skamania	1				1		
Snohomish	5,067	4,839	2		202	3	21
Edmonds	1,548	1,531			17		
Everett	2,916	2,880			33	3	
Lynnwood	24	1			21		2
Mountlake Terrace	8				8		
Spokane	6,082	5,556	1	425	79	13	8
Spokane (city)	5,612	5,524	1		67	13	7
Stevens	243	237			6		
Thurston	2,079	1,949			66		64
Lacey	4				4		
Olympia	2,058	1,949			46		63
Wahkiakum	1				1		
Walla Walla	885	871			14		
Walla Walla (city)	876	868			8		
Whatcom	1,598	1,551			42	1	4
Bellingham	1,580	1,551			27	1	1
Whitman	365	364			1		
Pullman	353	353					
Yakima	3,406	3,396			5	3	2
Yakima (city)	2,544	2,540			2	1	1

MORTALITY

Table 1

Deaths in Washington State by Selected Topics, 1988

A. Residents, Sex and Race

	Total	Male	Female	Unk
Total	36,299	18,963	17,333	3
White	34,432	17,846	16,585	1
African-American	818	497	320	1
Native American	406	223	183	
Japanese	78	43	35	
Chinese	89	57	32	
Filipino	132	102	30	
Other Asian	301	173	128	
Other	1	1		
Unknown	42	21	20	1
Hispanic[1]	464	304	160	

B. Residents, Infant Deaths by Race

Total	652
White	540
African-American	58
Native American	27
Japanese	1
Chinese	2
Filipino	2
Other Asian	19
Other	
Unknown	3
Hispanic[1]	33

C. Residents, Age Group by Sex

	Total	Male	Female	Unk
Total	36,299	18,963	17,333	3
Under 1	652	358	294	
1 - 4	139	87	52	
5 - 14	154	101	53	
15 - 19	309	222	87	
20 - 24	324	263	61	
25 - 34	982	718	264	
35 - 44	1,245	849	396	
45 - 54	1,794	1,106	688	
55 - 64	4,187	2,452	1,735	
65 - 74	8,339	4,959	3,379	1
75 - 84	9,993	5,132	4,860	1
85 - 94	6,755	2,355	4,400	
95 & Over	1,418	355	1,063	
Unknown	8	6	1	1

D. Residents, Life Expectancy by Age Group[2]

Age Group	Life Expectancy	Standard Deviation
0	76.3	.073
1-4	76.0	.068
5-9	72.1	.067
10-14	67.2	.067
15-19	62.3	.066
20-24	57.6	.064
25-29	52.9	.063
30-34	48.2	.062
35-39	43.4	.061
40-44	38.7	.060
45-49	34.1	.059
50-54	29.6	.057
55-59	25.3	.055
60-64	21.2	.051
65-69	17.6	.048
70-74	14.2	.045
75-79	11.3	.041
80-84	8.7	.035
85 +	6.7	—

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[1] Hispanic numbers are not included in total sum.

[2] Life expectancy is computed for the age at the beginning of each age interval.

Table 1 (continued)
Deaths in Washington State by Selected Topics, 1988

E. Residents, Leading Causes of Death

Rank	Causes of Death with International List Numbers		Number	Percent[1]
	All Causes		36,299	100.0%
1	Diseases of the Heart	391-392.0,393-398,402,404,410-417,420-429	11,704	32.2
2	Malignant Neoplasms	140-208,230-234	8,396	23.1
3	Cerebrovascular Disease	430-438	2,823	7.8
4	Chronic Obstructive Pulmonary Diseases	490-496	1,864	5.1
5	All Accidents	E800-949	1,711	4.7
6	Influenza and Pneumonia	480-487	1,322	3.6
7	Suicide	E950-959	716	2.0
8	Diabetes Mellitus	250	671	1.8
9	Arteriosclerosis	440	481	1.3
10	Cirrhosis of Liver	571	474	1.3
	All Other Causes		6,137	16.9

F. Residence and Occurrence, Month of Death

Month	Residence	Occurrence
Total	36,299	36,423
January	3,520	3,510
February	3,254	3,246
March	3,156	3,153
April	2,964	2,988
May	2,965	2,982
June	2,893	2,902
July	2,947	2,982
August	2,826	2,845
September	2,822	2,835
October	2,912	2,942
November	2,897	2,913
December	3,143	3,125

G. Residents, Marital Status by Sex

	Total	Male	Female	Unk
Total	36,299	18,963	17,333	3
Single	3,766	2,557	1,208	1
Married	15,979	11,001	4,978	
Divorced	3,693	2,096	1,597	
Widowed	12,655	3,172	9,482	1
Unknown	206	137	68	1

H. Occurrence, Type of Place

Total	36,423
General Hospital	15,846
Nursing Home	9,463
Home	8,373
Federal Facility	977
Psychiatric Hospital	26
State Facility	5
Dead On Arrival	33
Other and Unknown	1,700

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[1] Detail may not add to 100% due to rounding.

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Table 2

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1988

Age Group with Causes	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
All Ages										
All Causes		36,299*	795.2	100.0	18,963	833.7	100.0	17,333	756.7	100.0
Diseases of the Heart	391-2.0,393-8,402 404,410-7,420-9	11,704	256.4	32.2	6,211	273.1	32.8	5,492	239.8	31.7
Malignant Neoplasms	140-208,230-234	8,396	183.9	23.1	4,375	192.4	23.1	4,021	175.5	23.2
Cerebrovascular Disease	430-438	2,823	61.8	7.8	1,124	49.4	5.9	1,698	74.1	9.8
Chronic Obstructive Pulmonary Diseases	490-496	1,864	40.8	5.1	1,066	46.9	5.6	798	34.8	4.6
All Accidents	E800-949	1,711	37.5	4.7	1,193	52.5	6.3	518	22.6	3.0
Influenza and Pneumonia	480-487	1,322	29.0	3.6	573	25.2	3.0	749	32.7	4.3
Suicide	E950-959	716	15.7	2.0	573	25.2	3.0	143	6.2	.8
Diabetes Mellitus	250	671	14.7	1.8	309	13.6	1.6	362	15.8	2.1
Arteriosclerosis	440	481	10.5	1.3	188	8.3	1.0	293	12.8	1.7
Cirrhosis of Liver	571	474	10.4	1.3	299	13.1	1.6	175	7.6	1.0
All Other Causes		6,137	134.4	16.9	3,052	134.2	16.1	3,084	134.6	17.8
Under 1										
All Causes		652	927.1	100.0	358	989.1	100.0	294	861.3	100.0
Sudden Infant Death Syndrome	7980	180	255.9	27.6	101	279.0	28.2	79	231.4	26.9
Certain Causes Mortality In Early Infancy	760-762,764-766 770-779	146	207.6	22.4	72	198.9	20.1	74	216.8	25.2
Congenital Anomalies	740-759	141	200.5	21.6	81	223.8	22.6	60	175.8	20.4
Birth Injury, etc.	763,767-769	79	112.3	12.1	44	121.6	12.3	35	102.5	11.9
All Accidents	E800-949	20	28.4	3.1	12	33.2	3.4	8	23.4	2.7
All Other Causes		86	122.3	13.2	48	132.6	13.4	38	111.3	12.9
1 - 4										
All Causes		139	50.5	100.0	87	61.7	100.0	52	38.7	100.0
All Accidents	E800-949	51	18.5	36.7	37	26.2	42.5	14	10.4	26.9
Malignant Neoplasms	140-208,230-234	17	6.2	12.2	10	7.1	11.5	7	5.2	13.5
Congenital Anomalies	740-759	15	5.4	10.8	9	6.4	10.3	6	4.5	11.5
Homicide	E960-969	9	3.3	6.5	6	4.3	6.9	3	2.2	5.8
Meningitis	320,322	3	1.1	2.2	1	.7	1.1	2	1.5	3.8
All Other Causes		44	16.0	31.7	24	17.0	27.6	20	14.9	38.5
5 - 14										
All Causes		154	24.1	100.0	101	30.9	100.0	53	17.0	100.0
All Accidents	E800-949	71	11.1	46.1	45	13.8	44.6	26	8.3	49.1
Malignant Neoplasms	140-208,230-234	25	3.9	16.2	18	5.5	17.8	7	2.2	13.2
Suicide	E950-959	9	1.4	5.8	7	2.1	6.9	2	.6	3.8
Congenital Anomalies	740-759	7	1.1	4.5	5	1.5	5.0	2	.6	3.8
Homicide	E960-969	5	.8	3.2	4	1.2	4.0	1	.3	1.9
All Other Causes		37	5.8	24.0	22	6.7	21.8	15	4.8	28.3
15 - 19										
All Causes		309	94.5	100.0	222	132.5	100.0	87	54.6	100.0
All Accidents	E800-949	167	51.1	54.0	125	74.6	56.3	42	26.4	48.3
Suicide	E950-959	60	18.4	19.4	46	27.5	20.7	14	8.8	16.1
Homicide	E960-969	23	7.0	7.4	14	8.4	6.3	9	5.6	10.3
Malignant Neoplasms	140-208,230-234	15	4.6	4.9	9	5.4	4.1	6	3.8	6.9
Congenital Anomalies	740-759	8	2.4	2.6	5	3.0	2.3	3	1.9	3.4
All Other Causes		36	11.0	11.7	23	13.7	10.4	13	8.2	14.9
20 - 24										
All Causes		324	96.0	100.0	263	151.9	100.0	61	37.2	100.0
All Accidents	E800-949	158	46.8	48.8	130	75.1	49.4	28	17.1	45.9
Suicide	E950-959	58	17.2	17.9	50	28.9	19.0	8	4.9	13.1
Homicide	E960-969	29	8.6	9.0	26	15.0	9.9	3	1.8	4.9
Malignant Neoplasms	140-208,230-234	21	6.2	6.5	16	9.2	6.1	5	3.0	8.2
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	10	3.0	3.1	9	5.2	3.4	1	.6	1.6
All other causes		48	14.2	14.8	32	18.5	12.2	16	9.7	26.2
25 - 34										
All causes		982	121.4	100.0	718	171.9	100.0	264	67.5	100.0
All Accidents	E800-949	335	41.4	34.1	260	62.3	36.2	75	19.2	28.4
Suicide	E950-959	157	19.4	16.0	132	31.6	18.4	25	6.4	9.5
Malignant Neoplasms	140-208,230-234	91	11.3	9.3	41	9.8	5.7	50	12.8	18.9
Homicide	E960-969	86	10.6	8.8	56	13.4	7.8	30	7.7	11.4
Human Immunodeficiency Virus	042-044	84	10.4	8.6	83	19.9	11.6	1	.3	.4
All 0ther Causes		229	28.3	23.3	146	35.0	20.3	83	21.2	31.4

Table 2 (Continued)

Deaths with Rates[1] and Percent[2] by Age Group and Sex by Leading Causes, Washington State Residents 1988

Age Group with Causes	International List Number	Total			Male			Female		
		Number	Rate	Percent[3]	Number	Rate	Percent[3]	Number	Rate	Percent[3]
35 - 44										
All Causes		1,245	170.2	100.0	849	230.3	100.0	396	109.2	100.0
Malignant Neoplasms	140-208, 230-234	285	39.0	22.9	126	34.2	14.8	159	43.8	40.2
All Accidents	E800-949	236	32.3	19.0	190	51.5	22.4	46	12.7	11.6
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7 ,420-9	160	21.9	12.9	131	35.5	15.4	29	8.0	7.3
Suicide	E950-959	134	18.3	10.8	104	28.2	12.2	30	8.3	7.6
Human Immunodeficiency Virus	042-044	73	10.0	5.9	73	19.8	8.6			
All Other Causes		357	48.8	28.7	225	61.0	26.5	132	36.4	33.3
45 - 54										
All Causes		1,794	392.6	100.0	1,106	472.9	100.0	688	308.4	100.0
Malignant Neoplasms	140-208, 230-234	645	141.2	36.0	313	133.8	28.3	332	148.8	48.3
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	443	97.0	24.7	331	141.5	29.9	112	50.2	16.3
All Accidents	E800-949	108	23.6	6.0	86	36.8	7.8	22	9.9	3.2
Cirrhosis of Liver	571	87	19.0	4.8	57	24.4	5.2	30	13.4	4.4
Suicide	E950-959	74	16.2	4.1	50	21.4	4.5	24	10.8	3.5
All Other Causes		437	95.6	24.4	269	115.0	24.3	168	75.3	24.4
55 - 64										
All Causes		4,187	1104.2	100.0	2,452	1337.4	100.0	1,735	885.9	100.0
Malignant Neoplasms	140-208, 230-234	1,632	430.4	39.0	825	450.0	33.6	807	412.0	46.5
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	1,252	330.2	29.9	870	474.5	35.5	382	195.0	22.0
Chronic Obstructive Pulmonary Diseases	490-496	206	54.3	4.9	117	63.8	4.8	89	45.5	5.1
Cerebrovascular Disease	430-438	161	42.5	3.8	85	46.4	3.5	76	38.8	4.4
All Accidents	E800-949	130	34.3	3.1	86	46.9	3.5	44	22.5	2.5
All Other Causes		806	212.6	19.3	469	255.8	19.1	337	172.1	19.4
65 - 74										
All Causes		8,339	2613.2	100.0	4,959	3401.8	100.0	3,379	1949.4	100.0
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	2,754	863.0	33.0	1,855	1272.5	37.4	898	518.1	26.6
Malignant Neoplasms	140-208, 230-234	2,650	830.4	31.8	1,460	1001.6	29.4	1,190	686.5	35.2
Chronic Obstructive Pulmonary Diseases	490-496	659	206.5	7.9	374	256.5	7.5	285	164.4	8.4
Cerebrovascular Disease	430-438	482	151.0	5.8	254	174.2	5.1	228	131.5	6.7
Diabetes Mellitus	250	198	62.0	2.4	93	63.8	1.9	105	60.6	3.1
All Other Causes		1,596	500.1	19.1	923	633.2	18.6	673	388.3	19.9
75 - 84										
All Causes		9,993	5985.8	100.0	5,132	7873.0	100.0	4,860	4775.9	100.0
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	3,625	2171.4	36.3	1,889	2897.9	36.8	1,736	1706.0	35.7
Malignant Neoplasms	140-208, 230-234	2,199	1317.2	22.0	1,177	1805.6	22.9	1,022	1004.3	21.0
Cerebrovascular Disease	430-438	985	590.0	9.9	434	665.8	8.5	550	540.5	11.3
Chronic Obstructive Pulmonary Diseases	490-496	709	424.7	7.1	413	633.5	8.0	296	290.9	6.1
Influenza and Pneumonia	480-487	394	236.0	3.9	198	303.8	3.9	196	192.6	4.0
All Other Causes		2,081	1246.5	20.8	1,021	1566.3	19.9	1,060	1041.7	21.8
85 and Over										
All Causes		8,173	14862.2	100.0	2,710	17308.6	100.0	5,463	13888.4	100.0
Diseases of the Heart	391-2.0, 393-8, 402, 404, 410-7, 420-9	3,383	6151.8	41.4	1,075	6865.9	39.7	2,308	5867.5	42.2
Cerebrovascular Disease	430-438	1,082	1967.6	13.2	287	1833.0	10.6	795	2021.1	14.6
Malignant Neoplasms	140-208, 230-234	815	1482.0	10.0	379	2420.6	14.0	436	1108.4	8.0
Influenza and Pneumonia	480-487	653	1187.4	8.0	213	1360.4	7.9	440	1118.6	8.1
Arteriosclerosis	440	264	480.1	3.2	75	479.0	2.8	189	480.5	3.5
All Other Causes		1,976	3593.2	24.2	681	4349.5	25.1	1,295	3292.2	23.7
Age Unknown										
All Causes		8		100.0	6		100.0	1		100.0
Undetermined External injuries	E980-989	3		37.5	3		50.0			
Homicide	E960-969	2		25.0	1		16.7	1		100.0
All Accidents	E800-949	2		25.0	2		33.3			
All Other Causes		1		12.5						

[*] Total includes 3 sex unknown.

[1] Rate per 100,000 population in each age - sex group.

[2] Percent of total deaths in each age - sex group.

[3] Detail may not add up to 100 percent due to rounding.

Table 3

Deaths with Rates[1] by Selected Causes by Sex, Washington State Residents 1988

Causes with International List Number	Total		Male		Female		
	Number	Rate	Number	Rate	Number	Rate	Unknown
Total all causes	[36,299]	[795.2]	[18,963]	[833.7]	[17,333]	[756.7]	[3]
Infectious and Parasitic Diseases	[600]	[13.1]	[393]	[17.3]	[207]	[9.0]	
Tuberculosis (010-018, 137)	27	.6	13	.6	14	.6	
Septicemia (038)	201	4.4	87	3.8	114	5.0	
Human Immunodeficiency Virus (042-044)	214	4.7	209	9.2	5	.2	
Other (000-139)	158	3.5	84	3.7	74	3.2	
Neoplasms	[8,493]	[186.0]	[4,418]	[194.2]	[4,075]	[177.9]	
Malignant Neoplasms (140-208,230-234)	8,396	183.9	4,375	192.4	4,021	175.5	
Benign and Unspecified Neoplasms (210-229,235-239)	97	2.1	43	1.9	54	2.4	
Endocrine, Nutritional, Metabolic Diseases, and Immunity Disorders	[921]	[20.2]	[412]	[18.1]	[509]	[22.2]	
Diabetes Mellitus (250)	671	14.7	309	13.6	362	15.8	
Nutitional Deficiencies (260-269)	50	1.1	11	.5	39	1.7	
Other (240-279)	200	4.4	92	4.0	108	4.7	
Diseases of Blood and Blood-Forming Organs	[156]	[3.4]	[68]	[3.0]	[88]	[3.8]	
Anemia (280-285)	58	1.3	22	1.0	36	1.6	
Other (286-289)	98	2.1	46	2.0	52	2.3	
Mental Disorders	[559]	[12.2]	[253]	[11.1]	[306]	[13.4]	
Alcohol-Related (291,303,305)	112	2.5	83	3.6	29	1.3	
Other (290-319)	447	9.8	170	7.5	277	12.1	
Diseases of the Nervous System and Sense Organs	[918]	[20.1]	[428]	[18.8]	[490]	[21.4]	
Parkinson's Disease (332)	159	3.5	94	4.1	65	2.8	
Amyotrophic Lateral Sclerosis (335.2)	97	2.1	48	2.1	49	2.1	
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	424	9.3	162	7.1	262	11.4	
Multiple Sclerosis (340)	54	1.2	25	1.1	29	1.3	
Other (320-326,340-389)	184	4.0	99	4.4	85	3.7	
Diseases of the Circulatory System	[15,665]	[343.2]	[7,883]	[346.6]	[7,780]	[339.7]	[2]
Diseases of the Heart (391-392.0,393-398,402,404, 410-417,420-429)							
Chronic Rheumatic Heart Disease (391-392.0,393-398)	148	3.2	53	2.3	95	4.1	
Hypertensive Heart Disease (402)	248	5.4	90	4.0	158	6.9	
Hypertensive Heart and Renal Disease (404)	39	.9	14	.6	25	1.1	
Acute Ischemic Heart Disease (410,411)	3,459	75.8	2,025	89.0	1,434	62.6	
Chronic Ischemic Heart Disease (412-414)	4,134	90.6	2,216	97.4	1,918	83.7	
Other Heart Disease (415-417,420-429)	3,676	80.5	1,813	79.7	1,862	81.3	1
Hypertensive Disease (401-403)	149	3.3	57	2.5	92	4.0	
Cerebrovascular Disease (430-438)	2,823	61.8	1,124	49.4	1,698	74.1	1
Arteriosclerosis (440)	481	10.5	188	8.3	293	12.8	
Other (390-459)	508	11.1	303	13.3	205	8.9	
Diseases of the Respiratory System	[3,599]	[78.8]	[1,861]	[81.8]	[1,738]	[75.9]	
Chronic and Unqualified Bronchitis (490-491)	71	1.6	41	1.8	30	1.3	
Emphysema (492)	304	6.7	184	8.1	120	5.2	
Asthma (493)	88	1.9	24	1.1	64	2.8	
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,401	30.7	817	35.9	584	25.5	
Pneumonia (480-486)	1,242	27.2	546	24.0	696	30.4	
Influenza (488)	80	1.8	27	1.2	53	2.3	
Other (460-478,500-519)	413	9.0	222	9.8	191	8.3	

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[1] Rates per 100,000 estimated population.

Table 3 (Continued)

Deaths with Rates[1] by Selected Causes by Sex, Washinton State Residents 1988

Cause with International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	Number
Diseases of the Digestive System	[1,325]	[29.0]	[653]	[28.7]	[672]	[29.3]	
Ulcer of Stomach and Duodenum (531-533)	122	2.7	60	2.6	62	2.7	
Hernia and Intestinal Obstruction (550-553,560)	113	2.5	36	1.6	77	3.4	
Cirrhosis of the Liver (571)	474	10.4	299	13.1	175	7.6	
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	73	1.6	28	1.2	45	2.0	
Other (520-579)	543	11.9	230	10.1	313	13.7	
Diseases of the Genitourinary System	[362]	[7.9]	[148]	[6.5]	[214]	[9.3]	
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	186	4.1	85	3.7	101	4.4	
Other (590-629)	176	3.9	63	2.8	113	4.9	
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	[1]				[1]		
Diseases of the Skin and Subcutaneous Tissue (680-709)	[20]	[.4]	[6]	[.3]	[14]	[.6]	
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	[127]	[2.8]	[31]	[1.4]	[96]	[4.2]	
Congenital Anomalies (740-759)	[233]	[5.1]	[127]	[5.6]	[106]	[4.6]	
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	[82]	[1.8]	[45]	[2.0]	[37]	[1.6]	
Other Causes of Mortality in Early Infancy (760-762,764-766,770-779)	[148]	[3.2]	[72]	[3.2]	[76]	[3.3]	
Symptoms, signs, and Other Ill-Defined Conditions	[291]	[6.4]	[144]	[6.3]	[146]	[6.4]	[1]
Sudden Infant Death Syndrome (798.0-798.1)	195	4.3	106	4.7	89	3.9	
Other (780-799)	96	2.1	38	1.7	57	2.5	
Accidents	[1,711]	[37.5]	[1,193]	[52.5]	[518]	[22.6]	
Motor Vehicle (E810-825,E9290)	879	19.3	626	27.5	253	11.0	
Water Transport (E830-838)	27	.6	27	1.2			
Air and Space Transport (E840-845)	35	.8	35	1.5			
Accidental Poisoning (E850-869,E9292)	124	2.7	86	3.8	38	1.7	
Falls (E880-888, E9293)	227	5.0	127	5.6	100	4.4	
Fire (E890-899,E9294)	67	1.5	41	1.8	26	1.1	
Accidental Drowning (E910)	83	1.8	68	3.0	15	.7	
Other (E800-949)	269	5.9	183	8.0	86	3.8	
Suicide	[716]	[15.7]	[573]	[25.2]	[143]	[6.2]	
Firearms and Explosives (E955)	399	8.7	351	15.4	48	2.1	
Other (E950-954,E956-959)	317	6.9	222	9.8	95	4.1	
Homicide	[271]	[5.9]	[183]	[8.0]	[88]	[3.8]	
Firearms and Explosives (E965)	148	3.2	110	4.8	38	1.7	
Other (E960-964,E966-969)	123	2.7	73	3.2	50	2.2	
Legal Intervention (E979-978)	[5]	[.1]	[5]	[.2]			
Undetermined External injuries (E980-989)	[96]	[2.1]	[67]	[2.9]	[29]	[1.3]	
Injury Resulting from Operations of War (E990-999)							

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[1] Rates per 100,000 estimated population.

Table 4

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Sex, Washington State Residents 1988

Cause with International List Number	Total[2]		Male		Female	
	Number	Rate	Number	Rate	Number	Rate
Total All Causes	[8,396]	[183.9]	[4,375]	[192.4]	[4,021]	[175.5]
Lip, Oral Cavity, and Pharynx (140-149,230.0)	[116]	[2.5]	[65]	[2.9]	[51]	[2.2]
Digestive Organs and Peritoneum (150-159,230.1230.9)	[1,968]	[43.1]	[1,033]	[45.4]	[935]	[40.8]
Esophagus (150,230.1)	133	2.9	85	3.7	48	2.1
Stomach (151,230.2)	233	5.1	143	6.3	90	3.9
Small Intestine, including Duodenum (152)	22	.5	11	.5	11	.5
Colon (153,230.3)	750	16.4	377	16.6	373	16.3
Rectum (154,230.4-230.6)	115	2.5	66	2.9	49	2.1
Liver and Intrahepatic Ducts (155,230.8)	129	2.8	85	3.7	44	1.9
Gallbladder and Extrahepatic Bile Ducts (156)	67	1.5	31	1.4	36	1.6
Pancreas (157)	455	10.0	211	9.3	244	10.7
Retroperitoneum and Peritoneum (158)	7	.2	3	.1	4	.2
Other and Ill-defined Sites (159,230.7,230.9)	57	1.2	21	.9	36	1.6
Respiratory and Intrathoracic Organs (160-165,231)	[2,472]	[54.2]	[1,527]	[67.1]	[945]	[41.3]
Lung (162,231.1,231.2)	2,380	52.1	1,458	64.1	922	40.3
Other and Ill-defined Sites (160-161,163-165 231.0,231.8,231.9)	92	2.0	69	3.0	23	1.0
Bone, Connective Tissue, Skin and Breast (170-175, 232,233.0)	[1,001]	[21.9]	[124]	[5.5]	[877]	[38.3]
Bone and Articular Cartilage (170)	21	.5	8	.4	13	.6
Connective Tissue and Other Soft Tissue (171)	54	1.2	25	1.1	29	1.3
Skin (172-173,232)	130	2.8	84	3.7	46	2.0
Breast (174,175,233.0)	796	17.4	7	.3	789	34.4
Genital Organs (179-187,233.1-233.6)	[988]	[21.6]	[555]	[24.4]	[433]	[18.9]
Urinary Organs (188-189,233.7-233.9)	[336]	[7.4]	[229]	[10.1]	[107]	[4.7]
Brain (191)	[247]	[5.4]	[144]	[6.3]	[103]	[4.5]
Other and Ill-Defined Sites (190,192-199,234)	[472]	[10.3]	[247]	[10.9]	[225]	[9.8]
Lymphatic and Hematopoietic Tissue (200-208)	[796]	[17.4]	[451]	[19.8]	[345]	[15.1]
Lymphosarcoma (200)	127	2.8	62	2.7	65	2.8
Hodgkins Disease (201)	31	.7	15	.7	16	.7
Lymphoid and Histiocytic Tissue (202)	164	3.6	89	3.9	75	3.3
Multiple Myeloma and Immunoproliferative Tissue (203)	162	3.5	96	4.2	66	2.9
Lymphoid Leukemia (204)	91	2.0	56	2.5	35	1.5
Myeloid Leukemia (205)	158	3.5	104	4.6	54	2.4
Monocytic Leukemia (206)	11	.2	5	.2	6	.3
Other and Unspecified Leukemia (207-208)	52	1.1	24	1.1	28	1.2

[1] Rates per 100,000 estimated population.
[2] Group totals are shown in brackets.

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Table 5

Deaths by Non-Transport Causes by Place of Accident, Washington State Residents 1988

Cause of Death	Total	Home	Nursing Home	Agriculture	Industry	Prison	Public	Unknown
State Total	742	323	52	19	29		184	135
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	96	66					15	15
Poisoning by Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	27	12	1	1			8	5
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	66	1	2				15	48
Falls (E880-E888)	222	101	38	1	10		46	26
Falls on Stairs and Ladders (E880,E881)	23	18			1		4	
Falls from One Level to Another (E882-E884)	43	11	6		9		17	
Falls on Same Level (E885,E886)	10	4	1	1			3	1
Other and unspecified falls (E887,E888)	146	68	31				22	25
Fire (E890-E899)	67	65					2	
Natural and Environmental Factors (E900-E909)	17	3		1			8	5
Drowning, Excluding Submersion Following Boating Accidents (E910)	83	23			2		57	1
Inhalation and Ingestion of Food or Other Object Causing Suffocation and Obstruction (E911,E912)	38	7	7				5	19
Mechanical Suffocation (E913)	21	14	1		2		4	
Foreign Body Entering Other Orifice (E914,E915)								
Struck By, Against or Between Objects (E916-E918)	40	8		10	9		12	1
Machinery (E919,E920)	13	6		4	3			
Explosion and Explosive Material (E921,E923)	3	2			1			
Firearms (E922)	14	8					4	2
Hot substance, Corrosive Liquid and Steam (E924)								
Electricity (E925)	6	2		2	1		1	
Other and Unspecified Non-Transport Accidents (E926-E949)	29	5	3		1		7	13

Table 6

Deaths with Rates[1] by Place of Residence and Occurrence, Washington State 1988

County and City	Residence		Occurrence	
	Total	Rate	Total	Rate
State Total	36,299	8.0	36,423	8.0
Adams	111	7.9	112	8.0
Asotin	152	8.7	129	7.4
Benton	672	6.5	591	5.7
Kennewick	257	6.9	243	6.5
Richland	245	8.1	270	9.0
Chelan	523	10.5	637	12.8
Wenatchee	279	14.8	487	25.8
Clallam	547	10.1	514	9.4
Port Angeles	200	11.5	327	18.8
Clark	1,586	7.4	1,340	6.2
Vancouver	573	13.2	1,130	26.1
Columbia	62	15.1	46	11.2
Cowlitz	773	9.6	789	9.8
Kelso	130	11.9	46	4.2
Longview	373	12.6	690	23.3
Douglas	195	8.1	88	3.7
Ferry	35	5.7	28	4.6
Franklin	255	7.2	244	6.9
Pasco	185	10.0	226	12.3
Garfield	28	11.7	24	10.0
Grant	413	7.9	325	6.2
Moses Lake	114	10.7	145	13.6
Grays Harbor	746	11.8	631	10.0
Aberdeen	208	12.1	398	23.2
Island	398	7.5	294	5.5
Oak Harbor	77	5.3	56	3.9
Jefferson	197	10.6	158	8.5
King	10,533	7.4	11,521	8.1
Auburn	272	8.8	350	11.4
Bellevue	486	5.7	536	6.3
Des Moines	159	11.3	230	16.3
Kent	172	5.3	154	4.8
Kirkland	187	5.2	406	11.3
Mercer Island	124	6.0	80	3.9
Redmond	153	4.8	270	8.5
Renton	297	8.0	635	17.2
Seattle	5,197	10.5	7,965	16.1
Kitsap	1,282	7.2	1,172	6.6
Bremerton	395	10.7	746	20.1
Kittitas	202	8.1	218	8.7
Ellensburg	92	8.0	155	13.5
Klickitat	154	9.3	121	7.3
Lewis	576	10.0	501	8.7
Centralia	193	16.3	317	26.8
Lincoln	124	12.8	94	9.7
Mason	336	9.1	255	6.9
Okanogan	348	11.0	321	10.1
Pacific	248	14.1	188	10.7
Pend Oreille	97	11.0	54	6.1
Pierce	4,221	7.7	4,400	8.0
Puyallup	272	13.1	716	34.4
Tacoma	1,896	11.7	3,018	18.7
San Juan	85	8.9	54	5.6
Skagit	714	10.1	760	10.7
Anacortes	111	10.8	162	15.7
Mount Vernon	171	11.7	327	22.4
Skamania	43	5.4	29	3.6
Snohomish	2,816	6.9	2,489	6.1
Edmonds	298	10.5	449	15.8
Everett	661	10.9	1,042	17.1
Lynnwood	191	7.5	166	6.5
Mountlake Terrace	94	5.8	41	2.5
Spokane	3,057	8.6	3,587	10.1
Spokane (city)	1,956	11.5	3,344	19.6
Stevens	250	8.3	189	6.3
Thurston	1,173	7.9	1,166	7.8
Lacey	199	12.1	168	10.3
Olympia	416	13.7	903	29.8
Wahkiakum	28	8.0	25	7.1
Walla Walla	523	10.8	628	13.0
Walla Walla (city)	367	14.4	565	22.2
Whatcom	919	7.7	946	7.9
Bellingham	481	10.3	730	15.7
Whitman	215	5.5	157	4.0
Pullman	53	2.4	56	2.5
Yakima	1,662	8.9	1,598	8.6
Yakima (city)	643	13.0	1,128	22.8

[1] Rates per 1,000 population.

Table 7

Deaths by Sex and Race by Place of Residence, Washington State 1988

County and City	Total	Male	Female	Unk	White	African-American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic[1]
State Total	36,299	18,963	17,333	3	34,432	818	406	78	89	132	301	1	42	464
Adams	111	59	52		110			1						8
Asotin	152	79	73		151		1							1
Benton	672	368	304		651	4	2	2	1		2			14
Kennewick	257	156	101		252	1	2				2			5
Richland	245	122	123		240	2		2	1					6
Chelan	523	264	259		516	1	3	1	1		1			12
Wenatchee	279	123	156		276	1	1	1						5
Clallam	547	291	256		528		16	2			1			1
Port Angeles	200	103	97		197		2	1						
Clark	1,586	822	764		1,559	7	5	1	4	3	6		1	13
Vancouver	573	272	301		559	5	3		3	2	1			5
Columbia	62	29	33		62									1
Cowlitz	773	393	380		768	1	1		1		2			3
Kelso	130	67	63		129		1							2
Longview	373	183	190		370	1			1		1			1
Douglas	195	109	86		194	1								2
Ferry	35	25	10		27		8							
Franklin	255	148	107		232	19	1		1		1		1	16
Pasco	185	109	76		163	18	1		1		1		1	14
Garfield	28	13	15		28									
Grant	413	256	157		404	4	1	1			2		1	31
Moses Lake	114	70	44		111	2							1	5
Grays Harbor	746	426	320		716	1	22	1		2	3		1	4
Aberdeen	208	115	93		202		3			2	1			
Island	398	216	182		390		2	1	1	3			1	1
Oak Harbor	77	33	44		75			1	1					1
Jefferson	197	119	78		193	1	3							1
King	10,533	5,368	5,165		9,571	486	84	41	66	90	189	1	5	99
Auburn	272	144	128		260	2	7	1		1	1			2
Bellevue	486	235	251		461	6	1	3	4	1	10			3
Des Moines	159	70	89		152	3			1	2	1			
Kent	172	90	82		163	4		2		1	2			1
Kirkland	187	92	95		183	2					2			1
Mercer Island	124	57	67		119				2	1	2			
Redmond	153	78	75		149		2				2			1
Renton	297	150	147		281	9	3	1	2	1				2
Seattle	5,197	2,616	2,581		4,457	416	48	25	51	65	131	1	3	60
Kitsap	1,282	668	614		1,235	16	8	1	2	9	10		1	7
Bremerton	395	183	212		375	10	2		1	3	4			3
Kittitas	202	110	92		201								1	1
Ellensburg	92	50	42		91								1	1
Klickitat	154	89	65		149		5							3
Lewis	576	294	282		574		1						1	4
Centralia	193	85	108		193									1
Lincoln	124	70	54		123		1							1
Mason	336	201	135		327	2	6				1			6
Okanogan	348	201	147		319	1	26						2	12
Pacific	248	143	104	1	242	1	2				2		1	
Pend Oreille	97	54	43		92		3	1					1	
Pierce	4,221	2,232	1,989		3,914	186	36	18	2	8	51		6	53
Puyallup	272	146	126		265	1	6							1
Tacoma	1,896	964	932		1,707	125	16	7	1	6	30		4	30
San Juan	85	44	41		85									
Skagit	714	366	348		697	1	12		3		1			8
Anacortes	111	53	58		110		1							2
Mount Vernon	171	80	91		168		1		2					2
Skamania	43	22	21		39		4							
Snohomish	2,816	1,496	1,320		2,749	17	24		4	7	11		4	19
Edmonds	298	158	140		294	1	1				2			1
Everett	661	350	311		646	5	7			1	1		1	2
Lynnwood	191	96	95		185	2	1		1		2			2
Mountlake Terrace	94	55	39		91	1					2			1
Spokane	3,057	1,530	1,525	2	2,978	36	25	6		1	5		6	9
Spokane (city)	1,956	965	989	2	1,894	32	18	5		1	3		3	5
Stevens	250	152	98		239		8						3	
Thurston	1,173	595	578		1,150	7	5		1	1	8		1	7
Lacey	199	88	111		193	2	1		1		2			4
Olympia	416	198	218		409	1	1				5			2
Wahkiakum	28	18	10		28									
Walla Walla	523	259	264		519	3					1			8
Walla Walla (city)	367	181	186		363	3					1			8
Whatcom	919	457	462		891	1	23				1		3	7
Bellingham	481	215	266		471		6				1		3	1
Whitman	215	116	99		212				1		1		1	1
Pullman	53	27	26		52						1			1
Yakima	1,662	861	801		1,559	22	68	1	1	8	2		1	111
Yakima (city)	643	308	335		618	18	3	1	1	1	1			18

[1] Total death certificates with Hispanic origin not stated were 600. Hispanic numbers are not included in total sum.

Table 8

Deaths by Age Group by Place of Residence, Washington State 1988

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	Age Unk
State Total	36,299	652	139	154	309	324	982	1,245	1,794	4,187	8,339	9,993	8,173	8
Adams	111	2	1	1	4		4	1	6	13	26	28	25	
Asotin	152	4		1	1	1			7	21	35	45	37	
Benton	672	10	2	4	3	4	14	31	47	89	180	169	119	
Kennewick	257	4	2	1	1	1	3	9	19	33	66	70	48	
Richland	245	4		1	1	2	6	9	15	30	70	68	39	
Chelan	523	9	1	3	4	6	11	20	16	59	110	141	143	
Wenatchee	279	3			2	3	4	12	6	22	55	78	94	
Clallam	547	5	2	5	1	2	8	19	17	67	139	154	128	
Port Angeles	200	2	1	2	1		3	6	5	22	45	58	55	
Clark	1,586	40	4	13	16	14	39	45	86	189	369	452	319	
Vancouver	573	11		3	3	5	17	14	27	67	141	154	131	
Columbia	62		1					3		9	16	13	20	
Cowlitz	773	10	2	6	3	8	13	20	36	80	184	235	175	1
Kelso	130	3		1	1		2	1	5	14	30	44	29	
Longview	373	3		3	1	4	4	5	18	43	82	117	93	
Douglas	195	1		1			6	8	10	29	33	60	47	
Ferry	35				2	2	2	1	6	3	8	9	2	
Franklin	255	9	1	1	2	1	11	12	12	30	55	73	47	1
Pasco	185	7	1	1	1	1	8	9	11	18	38	54	37	1
Garfield	28							1	3	1	8	6	9	
Grant	413	11	2	3	4	6	10	13	13	58	108	111	74	
Moses Lake	114	1				1	2		5	13	30	40	22	
Grays Harbor	746	12	6	2	5	5	22	14	44	91	183	211	151	
Aberdeen	208	7	2	1			6	2	16	27	48	50	49	
Island	398	7	1	2	2	5	11	14	14	35	108	130	69	
Oak Harbor	77	2				5	4	3	4	11	15	15	18	
Jefferson	197	3	1		1	2	4	5	5	25	52	61	38	
King	10,533	190	41	42	84	96	334	428	552	1,151	2,379	2,737	2,497	2
Auburn	272	6	1		4	4	5	10	15	21	61	77	68	
Bellevue	486	7	1		3	5	12	15	29	84	110	120	100	
Des Moines	159				2		5	4	1	9	24	39	75	
Kent	172	5	2	3	1	1	13	6	5	32	36	35	31	
Kirkland	187	4	1	1	4		5	7	8	19	45	44	49	
Mercer Island	124			2			2	2	8	15	27	32	36	
Redmond	153	3	2	2	3		8	6	10	17	33	35	34	
Renton	297	2		1	5	3	8	8	10	34	70	85	71	
Seattle	5,197	87	11	12	31	44	161	226	241	488	1,129	1,431	1,336	
Kitsap	1,282	21		8	13	7	30	45	81	148	292	355	282	
Bremerton	395	7		2	1	4	7	9	13	39	98	116	99	
Kittitas	202	3		3	1	1	4	5	8	25	32	65	55	
Ellensburg	92	2			1		1	1	1	9	18	27	32	
Klickitat	154	2		3	2		2	7	6	17	39	47	29	
Lewis	576	10	1	2	6	3	9	6	20	61	[illegible]	167	155	
Centralia	193			1	2	1	3		5	16	37	66	62	
Lincoln	124	1	1	2		1	2	1	3	13	28	33	39	
Mason	336	4		2	1		10	11	15	44	89	105	55	
Okanogan	348	3	5	1	3	9	10	9	11	31	83	109	74	
Pacific	248		1		2	2	3	10	7	27	68	82	45	1
Pend Oreille	97	3		1	1		4	8	4	7	28	20	21	
Pierce	4,221	97	28	11	34	52	145	162	262	569	974	1,052	833	2
Puyallup	272	9	1		1	3	13	7	15	33	59	71	60	
Tacoma	1,896	28	11	2	12	20	64	65	106	217	417	498	456	
San Juan	85		1				3	3	3	9	14	32	20	
Skagit	714	16	2	4	2	5	16	26	22	88	173	205	155	
Anacortes	111	1		1			2		5	13	27	36	26	
Mount Vernon	171	3	1			3	3	6	7	15	42	50	41	
Skamania	43					1	2	1	3	4	11	15	6	
Snohomish	2,816	61	11	7	35	21	84	94	145	384	667	754	552	1
Edmonds	298	6				3	6	10	11	40	75	80	67	
Everett	661	12	2		6	4	18	18	27	72	139	209	154	
Lynnwood	191	7			5	2	5	4	12	22	40	64	30	
Mountlake Terrace	94	4	1	1	2	1	5	4	5	18	22	20	11	
Spokane	3,057	45	7	11	23	22	61	81	143	322	685	916	741	
Spokane (city)	1,956	21	3	6	9	12	40	42	84	188	423	621	507	
Stevens	250	2	1	3	3		6	11	12	20	63	70	59	
Thurston	1,173	18	6	6	13	9	22	34	49	137	272	319	288	
Lacey	199	3	1		1	3	3	1	6	23	28	62	68	
Olympia	416	8	2	2	6	1	8	11	16	36	102	109	115	
Wahkiakum	28	1					1	1		4	5	7	9	
Walla Walla	523	7		1	6	5	12	7	22	53	102	154	154	
Walla Walla (city)	367	5		1	4	3	9	4	13	40	68	108	112	
Whatcom	919	12		1	12	4	19	33	25	70	193	302	248	
Bellingham	481	5			3	1	7	11	11	30	90	177	146	
Whitman	215	3			2	3	2	4	10	14	41	70	66	
Pullman	53	3				3	1		5	4	8	14	15	
Yakima	1,662	30	10	4	18	27	46	51	69	190	351	479	387	
Yakima (city)	643	10	4	1	7	7	14	14	19	63	130	203	171	

Table 9

Deaths by Month of Occurrence by Place of Residence, Washington State 1988

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	36,299	3,520	3,254	3,156	2,964	2,965	2,893	2,947	2,828	2,822	2,912	2,897	3,143
Adams	111	8	15	8	11	11	13	9	11	1	5	10	9
Asotin	152	18	9	10	16	12	11	10	13	14	20	7	12
Benton	672	63	55	46	43	67	45	63	58	43	59	57	73
Kennewick	257	28	14	20	16	26	15	24	20	18	26	23	27
Richland	245	20	21	17	17	25	15	24	20	18	19	23	26
Chelan	523	28	46	39	45	40	53	36	45	45	39	57	50
Wenatchee	279	17	26	23	25	24	22	17	21	26	18	35	25
Clallam	547	49	47	55	45	53	40	49	38	41	39	54	37
Port Angeles	200	23	12	18	16	16	15	18	16	15	15	21	15
Clark	1,586	154	127	160	140	125	111	130	131	113	134	132	129
Vancouver	573	57	40	69	45	52	34	50	53	36	44	48	45
Columbia	62	2	5	3	5	7	5	6	11	3	9		6
Cowlitz	773	76	77	82	59	62	50	58	66	55	55	58	75
Kelso	130	15	14	18	7	10	7	11	12	6	12	11	7
Longview	373	34	45	44	25	28	26	25	29	28	24	23	42
Douglas	195	19	17	15	16	15	11	12	22	12	15	16	25
Ferry	35	5	2	1	4		5	3	5	3	2	1	4
Franklin	255	24	30	18	28	21	24	20	15	20	23	12	20
Pasco	185	16	24	13	22	13	16	16	9	13	19	6	18
Garfield	28	4	4	3	2	4		1		3	1	3	3
Grant	413	40	38	29	34	40	25	36	33	30	26	44	38
Moses Lake	114	11	11	10	8	9	7	9	11	7	8	13	10
Grays Harbor	746	83	68	51	77	54	61	60	50	61	57	52	72
Aberdeen	208	20	28	9	22	16	12	18	12	16	12	15	26
Island	398	44	34	31	45	35	28	36	23	35	34	27	26
Oak Harbor	77	7	6	5	14	9	5	8	4	3	8	3	5
Jefferson	197	13	7	20	17	17	18	24	14	20	17	15	15
King	10,533	1,044	941	923	828	822	845	880	784	848	865	865	888
Auburn	272	28	26	19	19	22	22	19	14	29	31	23	20
Bellevue	486	54	45	40	30	48	35	40	46	37	38	39	36
Des Moines	159	10	16	15	13	10	14	9	10	13	22	11	16
Kent	172	20	9	16	12	11	5	20	14	14	22	14	15
Kirkland	187	19	19	21	8	11	14	9	16	19	16	20	15
Mercer Island	124	19	13	12	7	10	6	8	6	9	14	10	10
Redmond	153	21	14	10	17	13	14	8	9	13	6	17	11
Renton	297	31	21	28	26	18	21	23	21	33	24	18	33
Seattle	5,197	525	465	451	423	395	400	421	373	426	426	449	443
Kitsap	1,282	130	114	134	111	106	106	108	96	89	95	88	105
Bremerton	395	43	41	45	32	34	32	27	28	28	32	21	32
Kittitas	202	17	28	14	18	12	10	19	14	18	21	16	15
Ellensburg	92	5	9	11	6	7	7	7	8	8	8	7	9
Klickitat	154	19	9	14	9	12	17	9	15	8	12	12	18
Lewis	576	52	45	44	54	62	49	47	36	48	45	44	50
Centralia	193	10	13	13	24	23	17	15	10	16	17	21	14
Lincoln	124	9	9	10	6	10	13	13	17	7	5	8	17
Mason	336	35	25	32	31	23	29	21	26	22	29	39	24
Okanogan	348	25	19	40	32	24	26	32	21	34	32	22	41
Pacific	248	28	21	16	16	17	15	18	25	27	23	19	23
Pend Oreille	97	11	14	9	6	7	10	4	4	8	11	8	5
Pierce	4,221	442	402	373	302	347	315	329	330	323	349	332	377
Puyallup	272	30	20	23	19	20	29	30	21	15	18	24	23
Tacoma	1,896	202	196	165	129	154	131	142	152	149	163	141	172
San Juan	85	6	9	11	13	6	5	6	4	5	5	13	2
Skagit	714	65	58	59	64	65	64	57	58	52	51	51	70
Anacortes	111	12	7	7	14	11	9	7	14	7	4	5	14
Mount Vernon	171	13	15	13	14	12	20	23	10	12	11	12	16
Skamania	43	4	1	4	2	3	5	4	4	5	4	3	4
Snohomish	2,816	289	217	223	236	242	231	218	218	235	217	227	263
Edmonds	298	37	24	25	21	28	27	24	29	20	23	20	22
Everett	661	77	47	50	56	49	53	46	50	54	64	52	63
Lynnwood	191	18	12	20	11	22	16	17	12	11	21	19	12
Mountlake Terrace	94	9	9	8	10	5	11	8	6	7	3	7	11
Spokane	3,057	261	301	273	240	253	272	248	246	209	253	239	262
Spokane (city)	1,956	165	197	176	166	174	180	156	146	117	158	160	161
Stevens	250	19	26	17	18	17	22	23	26	21	21	18	22
Thurston	1,173	96	116	114	105	102	96	82	80	91	96	88	107
Lacey	199	12	16	23	28	16	25	14	9	13	15	11	17
Olympia	416	29	53	41	36	35	31	26	32	26	37	33	37
Wahkiakum	28	1	2	2		3	3	2	4	3	4	3	1
Walla Walla	523	67	52	36	42	44	35	46	47	40	40	41	33
Walla Walla (city)	367	51	36	24	26	35	21	33	28	31	31	26	25
Whatcom	919	96	85	71	68	64	83	59	69	81	70	87	84
Bellingham	481	44	47	42	42	32	42	22	36	44	35	50	45
Whitman	215	17	22	13	16	14	16	24	20	20	22	18	13
Pullman	53	6	7	2	5	1	4	6	7	5	3	2	5
Yakima	1,662	155	157	153	160	147	126	145	147	129	107	111	125
Yakima (city)	643	63	71	57	55	59	53	57	59	50	37	36	46

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Table 10

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington 1988

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	600	13.1	671	14.7	74	1.6	11,704	256.4	2,823	61.8
Adams	1	7.1	6	42.9			34	242.9	7	50.0
Asotin	3	17.2	2	11.5	1	5.7	51	293.1	13	74.7
Benton	6	5.8	12	11.5	2	1.9	217	206.5	51	49.0
Kennewick	3	8.1	4	10.6			91	244.8	16	43.0
Richland	1	3.3	5	16.6	2	6.6	87	288.7	22	73.0
Chelan	5	10.1	3	6.0			172	346.1	43	86.5
Wenatchee	2	10.6	2	10.6			95	503.7	20	106.0
Clallam	5	9.2	5	9.2	2	3.7	182	334.6	45	82.7
Port Angeles	2	11.5	1	5.8	1	5.8	64	368.9	25	144.1
Clark	18	8.4	27	12.6	4	1.9	533	248.5	110	51.3
Vancouver	9	20.8	7	16.2	2	4.6	200	462.0	43	99.3
Columbia			1	24.4			29	707.3	5	122.0
Cowlitz	6	7.5	14	17.4			299	371.4	51	63.4
Kelso	4	36.8	4	36.8			43	395.2	13	119.5
Longview	1	3.4	5	16.9			166	561.6	22	74.4
Douglas	1	4.1	3	12.4	1	4.1	65	269.7	16	66.4
Ferry							8	131.1	3	49.2
Franklin	3	8.5	6	16.9	3	8.5	73	205.6	15	42.3
Pasco	3	16.3	4	21.7	3	16.3	52	282.1	13	70.5
Garfield							8	333.3	3	125.0
Grant	8	15.2	7	13.3	1	1.9	129	245.2	24	45.6
Moses Lake	3	28.2	3	28.2			40	375.6	10	93.9
Grays Harbor	9	14.2	13	20.5	2	3.2	252	397.5	48	75.7
Aberdeen	2	11.7	5	29.2	2	11.7	79	461.2	11	64.2
Island	5	9.4	6	11.2	2	3.7	119	222.8	27	50.6
Oak Harbor	2	13.9					23	159.6	4	27.8
Jefferson	1	5.4	3	16.1			57	306.5	16	86.0
King	279	19.7	196	13.9	14	1.0	3,310	234.1	808	57.1
Auburn	5	16.2	2	6.5			112	363.8	23	74.7
Bellevue	9	10.6	7	8.2			146	171.4	33	38.7
Des Moines	4	28.3	1	7.1			55	389.5	14	99.2
Kent	4	12.4	4	12.4			45	139.1	15	46.4
Kirkland	1	2.8	5	14.0			68	189.8	17	47.5
Mercer Island	3	14.5	2	9.7			39	188.5	10	48.3
Redmond	6	18.9	2	6.3	1	3.2	45	141.9	8	25.2
Renton	7	18.9	6	16.2	1	2.7	93	251.8	12	32.5
Seattle	179	36.1	89	17.9	9	1.8	1,608	324.3	453	91.3
Kitsap	22	12.4	30	16.9	7	3.9	399	225.0	96	54.1
Bremerton	7	18.9	14	37.8	4	10.8	128	345.5	34	91.8
Kittitas	1	4.0	5	20.0			76	304.0	14	56.0
Ellensburg			1	8.7			39	339.1	7	60.9
Klickitat	1	6.0	2	12.0			41	247.0	10	60.2
Lewis	11	19.2	14	24.4	2	3.5	194	338.0	56	97.6
Centralia	5	42.2	6	50.6	1	8.4	73	616.0	20	168.8
Lincoln	3	30.9	6	61.9			38	391.8	9	92.8
Mason	3	8.2	6	16.3			124	337.0	18	48.9
Okanogan	1	3.2	7	22.1			133	419.6	24	75.7
Pacific	2	11.4	5	28.4			91	517.0	20	113.6
Pend Oreille	4	45.5					23	261.4	11	125.0
Pierce	70	12.8	65	11.9	5	.9	1,278	233.3	328	59.9
Puyallup	5	24.0	2	9.6	1	4.8	89	427.1	14	67.2
Tacoma	31	19.2	28	17.3			604	374.2	174	107.8
San Juan	3	31.3					31	322.9	10	104.2
Skagit	5	7.1	11	15.5	1	1.4	244	344.6	60	84.7
Anacortes	1	9.7	1	9.7			31	300.4	15	145.3
Mount Vernon	2	13.7	1	6.9	1	6.9	64	438.7	14	96.0
Skamania					1	12.5	15	187.5	3	37.5
Snohomish	40	9.8	52	12.7	6	1.5	893	218.1	191	46.6
Edmonds	6	21.1	9	31.6			92	322.8	19	66.7
Everett	8	13.1	12	19.7	2	3.3	224	367.7	58	95.2
Lynnwood			3	11.8			71	279.3	12	47.2
Mountlake Terrace	2	12.3	2	12.3			25	153.5	3	18.4
Spokane	39	11.0	48	13.6	7	2.0	1,004	283.5	267	75.4
Spokane (city)	26	15.3	33	19.4	6	3.5	630	370.2	175	102.8
Stevens	3	9.9	6	19.9			78	258.3	27	89.4
Thurston	13	8.7	27	18.1	2	1.3	374	250.5	91	61.0
Lacey	1	6.1	4	24.4			70	427.4	22	134.3
Olympia	8	26.4	5	16.5			136	449.3	35	115.6
Wahkiakum							11	314.3	1	28.6
Walla Walla	2	4.1	13	26.9	1	2.1	165	341.6	48	99.4
Walla Walla (city)	1	3.9	9	35.4	1	3.9	119	467.8	35	137.6
Whatcom	13	10.9	19	16.0	2	1.7	295	247.7	81	68.0
Bellingham	6	12.9	12	25.7	2	4.3	167	358.3	52	111.6
Whitman			3	7.7			83	212.8	19	48.7
Pullman							15	67.5	4	18.0
Yakima	14	7.5	48	25.8	8	4.3	576	309.2	154	82.7
Yakima (city)	3	6.1	15	30.3	3	6.1	226	456.8	58	117.2

[1]Rates per 100,000 estimated population.

Table 11

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington State 1988

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Cirrhosis of the Liver		Nephritis Nephrotic Syndrome Nephrosis	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	481	10.5	1,322	29.0	1,864	40.8	474	10.4	186	4.1
Adams	4	28.6	5	35.7	1	7.1	1	7.1		
Asotin	4	23.0	4	23.0	6	34.5	2	11.5		
Benton	4	3.8	18	17.3	39	37.5	15	14.4	3	2.9
Kennewick			6	16.1	16	43.0	6	16.1		
Richland	3	10.0	7	23.2	9	29.9	6	19.9	1	3.3
Chelan	6	12.1	19	38.2	23	46.3	5	10.1		
Wenatchee	2	10.6	13	68.9	17	90.1	1	5.3		
Clallam	10	18.4	15	27.6	23	42.3	9	16.5	3	5.5
Port Angeles	5	28.8	5	28.8	7	40.3	2	11.5		
Clark	19	8.9	66	30.8	83	38.7	8	3.7	2	.9
Vancouver	10	23.1	25	57.8	25	57.8	5	11.6		
Columbia			4	97.6	1	24.4	1	24.4	1	24.4
Cowlitz	5	6.2	28	34.8	39	48.4	10	12.4	6	7.5
Kelso			2	18.4	11	101.1	3	27.6	3	27.6
Longview	3	10.1	13	44.0	17	57.5	4	13.5	2	6.8
Douglas	3	12.4	4	16.6	7	29.0	1	4.1	2	8.3
Ferry			1	16.4	3	49.2				
Franklin	6	16.9	4	11.3	16	45.1	8	22.5	5	14.1
Pasco	4	21.7	4	21.7	10	54.3	8	43.4	4	21.7
Garfield	1	41.7	1	41.7	4	166.7	1	41.7		
Grant	7	13.3	17	32.3	23	43.7	6	11.4		
Moses Lake	2	18.8	2	18.8	8	75.1				
Grays Harbor	11	17.4	26	41.0	38	59.9	20	31.5	7	11.0
Aberdeen	2	11.7	5	29.2	9	52.5	6	35.0	2	11.7
Island	10	18.7	12	22.5	13	24.3	5	9.4	1	1.9
Oak Harbor			2	13.9	4	27.8			1	6.9
Jefferson	1	5.4	7	37.6	12	64.5	4	21.5	2	10.8
King	118	8.3	407	28.8	496	35.1	137	9.7	61	4.3
Auburn	3	9.7	11	35.7	17	55.2	1	3.2	3	9.7
Bellevue	5	5.9	22	25.8	21	24.7	3	3.5		
Des Moines	1	7.1	11	77.9	7	49.6	1	7.1	1	7.1
Kent	2	6.2	6	18.5	11	34.0	3	9.3		
Kirkland	1	2.8	5	14.0	18	50.3	3	8.4	1	2.8
Mercer Island	1	4.8	4	19.3	5	24.2	1	4.8		
Redmond	1	3.2	6	18.9	6	18.9	2	6.3		
Renton	5	13.5	19	51.4	23	62.3	4	10.8	5	13.5
Seattle	50	10.1	206	41.5	225	45.4	79	15.9	38	7.7
Kitsap	3	1.7	46	25.9	74	41.7	23	13.0	1	.6
Bremerton	2	5.4	23	62.1	26	70.2	7	18.9		
Kittitas	2	8.0	8	32.0	8	32.0				
Ellensburg	1	8.7	2	17.4	5	43.5				
Klickitat	2	12.0	7	42.2	9	54.2	3	18.1	1	6.0
Lewis	15	26.1	29	50.5	29	50.5	4	7.0	4	7.0
Centralia	9	75.9	9	75.9	14	118.1	1	8.4	1	8.4
Lincoln	1	10.3	4	41.2	4	41.2			2	20.6
Mason	1	2.7	9	24.5	15	40.8	4	10.9	1	2.7
Okanogan	2	6.3	7	22.1	19	59.9	5	15.8	1	3.2
Pacific	1	5.7	5	28.4	12	68.2	3	17.0	3	17.0
Pend Oreille			10	113.6	5	56.8				
Pierce	109	19.9	126	23.0	263	48.0	64	11.7	17	3.1
Puyallup	16	76.8	6	28.8	16	76.8	2	9.6	2	9.6
Tacoma	46	28.5	74	45.8	112	69.4	36	22.3	5	3.1
San Juan	2	20.8	4	41.7	2	20.8				
Skagit	4	5.6	17	24.0	30	42.4	5	7.1	2	2.8
Anacortes			7	67.8	5	48.4			1	9.7
Mount Vernon			3	20.6	6	41.1	2	13.7	1	6.9
Skamania	2	25.0			2	25.0	1	12.5		
Snohomish	35	8.5	94	23.0	148	36.1	35	8.5	20	4.9
Edmonds	3	10.5	7	24.6	17	59.6	3	10.5	4	14.0
Everett	5	8.2	22	36.1	36	59.1	6	9.8	6	9.8
Lynnwood	1	3.9	4	15.7	10	39.3	3	11.8	2	7.9
Mountlake Terrace			4	24.6	3	18.4	1	6.1		
Spokane	35	9.9	137	38.7	152	42.9	49	13.8	22	6.2
Spokane (city)	26	15.3	101	59.3	111	65.2	32	18.8	18	10.6
Stevens	2	6.6	10	33.1	17	56.3	3	9.9	1	3.3
Thurston	6	4.0	42	28.1	83	55.6	10	6.7	4	2.7
Lacey			8	48.8	11	67.2	3	18.3	1	6.1
Olympia	2	6.6	21	69.4	31	102.4	4	13.2	1	3.3
Wahkiakum	1	28.6			2	57.1	1	28.6		
Walla Walla	6	12.4	20	41.4	34	70.4	4	8.3	1	2.1
Walla Walla (city)	6	23.6	12	47.2	24	94.3	3	11.8		
Whatcom	21	17.6	51	42.8	44	36.9	7	5.9	5	4.2
Bellingham	16	34.3	22	47.2	24	51.5	3	6.4	1	2.1
Whitman	3	7.7	11	28.2	6	15.4	2	5.1		
Pullman	1	4.5	4	18.0	2	9.0	1	4.5		
Yakima	19	10.2	47	25.2	79	42.4	18	9.7	8	4.3
Yakima (city)	9	18.2	22	44.5	33	66.7	3	6.1	1	2.0

[1] Rates per 100,000 estimated population.

Table 12

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1988

County and City	Malignant Neoplasms Total All Sites		Lip, Oral, Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	8,396	183.9	116	2.5	1,968	43.1	2,472	54.2	988	21.6
Adams	23	164.3			3	21.4	7	50.0	2	14.3
Asotin	33	189.7	2	11.5	11	63.2	10	57.5		
Benton	155	148.9	2	1.9	35	33.6	51	49.0	18	17.3
Kennewick	58	156.0	1	2.7	14	37.7	17	45.7	8	21.5
Richland	48	159.3	1	3.3	13	43.1	14	46.4	4	13.3
Chelan	113	227.4	1	2.0	32	64.4	38	76.5	13	26.2
Wenatchee	59	312.8	1	5.3	22	116.6	15	79.5	6	31.8
Clallam	141	259.2			34	62.5	43	79.0	14	25.7
Port Angeles	52	299.7			12	69.2	20	115.3	4	23.1
Clark	367	171.1	4	1.9	81	37.8	124	57.8	35	16.3
Vancouver	128	295.7	2	4.6	28	64.7	39	90.1	15	34.7
Columbia	10	243.9			6	146.3			1	24.4
Cowlitz	179	222.4	2	2.5	38	47.2	54	67.1	20	24.8
Kelso	28	257.4	1	9.2	8	73.5	11	101.1		
Longview	88	297.7	1	3.4	12	40.6	26	88.0	11	37.2
Douglas	43	178.4			12	49.8	15	62.2	7	29.0
Ferry	6	98.4			2	32.8	3	49.2		
Franklin	50	140.8			12	33.8	14	39.4	5	14.1
Pasco	35	189.9			9	48.8	10	54.3	4	21.7
Garfield	5	208.3			1	41.7	3	125.0	1	41.7
Grant	93	176.8	1	1.9	24	45.6	32	60.8	8	15.2
Moses Lake	26	244.1			7	65.7	8	75.1	2	18.8
Grays Harbor	153	241.3	1	1.6	44	69.4	48	75.7	22	34.7
Aberdeen	42	245.2			15	87.6	9	52.5	4	23.4
Island	110	206.0	1	1.9	30	56.2	35	65.5	9	16.9
Oak Harbor	19	131.9			3	20.8	9	62.5	2	13.9
Jefferson	56	301.1			15	80.6	10	53.8	9	48.4
King	2,428	171.7	36	2.5	568	40.2	694	49.1	276	19.5
Auburn	53	172.1	1	3.2	17	55.2	19	61.7	2	6.5
Bellevue	142	166.7			37	43.4	38	44.6	14	16.4
Des Moines	27	191.2	1	7.1	9	63.7	5	35.4	5	35.4
Kent	38	117.5			9	27.8	10	30.9	3	9.3
Kirkland	35	97.7	1	2.8	11	30.7	9	25.1	3	8.4
Mercer Island	29	140.2			5	24.2	3	14.5	5	24.2
Redmond	33	104.1			4	12.6	9	28.4	4	12.6
Renton	62	167.8			11	29.8	15	40.6	11	29.8
Seattle	1,138	229.5	16	3.2	280	56.5	320	64.5	150	30.2
Kitsap	314	177.1	3	1.7	73	41.2	102	57.5	44	24.8
Bremerton	78	210.5	1	2.7	18	48.6	26	70.2	8	21.6
Kittitas	47	188.0	2	8.0	9	36.0	12	48.0	10	40.0
Ellensburg	20	173.9			5	43.5	6	52.2	3	26.1
Klickitat	43	259.0	2	12.0	5	30.1	15	90.4	9	54.2
Lewis	116	202.1	1	1.7	30	52.3	36	62.7	11	19.2
Centralia	24	202.5			5	42.2	7	59.1	3	25.3
Lincoln	36	371.1			10	103.1	7	72.2	4	41.2
Mason	84	228.3	1	2.7	21	57.1	30	81.5	9	24.5
Okanogan	64	201.9			11	34.7	28	88.3	3	9.5
Pacific	57	323.9	1	5.7	15	85.2	15	85.2	8	45.5
Pend Oreille	19	215.9			9	102.3	4	45.5	3	34.1
Pierce	1,013	185.0	16	2.9	249	45.5	295	53.9	127	23.2
Puyallup	55	263.9	1	4.8	16	76.8	17	81.6	8	38.4
Tacoma	414	256.5	7	4.3	112	69.4	106	65.7	54	33.5
San Juan	19	197.9			3	31.3	6	62.5	1	10.4
Skagit	181	255.6			49	69.2	49	69.2	19	26.8
Anacortes	32	310.1			8	77.5	9	87.2	3	29.1
Mount Vernon	38	260.5			9	61.7	7	48.0	7	48.0
Skamania	9	112.5					3	37.5		
Snohomish	718	175.3	12	2.9	158	38.6	214	52.3	83	20.3
Edmonds	84	294.7	3	10.5	19	66.7	20	70.2	9	31.6
Everett	153	251.1	1	1.6	35	57.5	41	67.3	11	18.1
Lynnwood	43	169.2	1	3.9	8	31.5	21	82.6	4	15.7
Mountlake Terrace	29	178.0	1	6.1	6	36.8	7	43.0	6	36.8
Spokane	705	199.1	15	4.2	152	42.9	199	56.2	79	22.3
Spokane (city)	425	249.7	8	4.7	104	61.1	118	69.3	48	28.2
Stevens	49	162.3			11	36.4	13	43.0	7	23.2
Thurston	283	189.6	6	4.0	58	38.8	75	50.2	35	23.4
Lacey	33	201.5	1	6.1	6	36.6	11	67.2	3	18.3
Olympia	83	274.2	1	3.3	18	59.5	21	69.4	8	26.4
Wahkiakum	6	171.4			2	57.1	1	28.6		
Walla Walla	109	225.7	3	6.2	26	53.8	30	62.1	12	24.8
Walla Walla (city)	73	286.9	3	11.8	19	74.7	20	78.6	7	27.5
Whatcom	188	157.9	1	.8	47	39.5	46	38.6	31	26.0
Bellingham	84	180.2			24	51.5	25	53.6	17	36.5
Whitman	49	125.6	1	2.6	15	38.5	8	20.5	5	12.8
Pullman	14	63.0			1	4.5	2	9.0	3	13.5
Yakima	322	172.8	2	1.1	67	36.0	103	55.3	48	25.8
Yakima (city)	125	252.7	1	2.0	26	52.6	38	76.8	15	30.3

[1] Rates per 100,000 estimated population.

Table 12 (Continued)

Deaths Due to Malignant Neoplasm by Primary Site with Rates[1] by Place of Residence, Washington State 1988

County and City	Urinary Organs Number	Urinary Organs Rate	Skin Number	Skin Rate	Breast Number	Breast Rate	Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue Number	Leukemias and Neoplasms of the Lymphatic and Hematopoietic Tissue Rate	Other and Unspecified Primary Sites Number	Other and Unspecified Primary Sites Rate
State Total	336	7.4	130	2.8	796	17.4	796	17.4	794	17.4
Adams	2	14.3			2	14.3	2	14.3	5	35.7
Asotin					2	11.5	6	34.5	2	11.5
Benton	4	3.8	3	2.9	19	18.3	14	13.4	9	8.6
Kennewick	1	2.7	2	5.4	4	10.8	7	18.8	4	10.8
Richland					9	29.9	3	10.0	4	13.3
Chelan	5	10.1			7	14.1	11	22.1	6	12.1
Wenatchee	3	15.9			3	15.9	3	15.9	6	31.8
Clallam	6	11.0	3	5.5	11	20.2	14	25.7	16	29.4
Port Angeles	2	11.5	1	5.8	5	28.8	5	28.8	3	17.3
Clark	14	6.5	5	2.3	33	15.4	34	15.9	37	17.2
Vancouver	5	11.6	2	4.6	13	30.0	10	23.1	14	32.3
Columbia	1	24.4			1	24.4	1	24.4		
Cowlitz	11	13.7	1	1.2	12	14.9	16	19.9	25	31.1
Kelso	2	18.4			1	9.2			5	46.0
Longview	5	16.9	1	3.4	9	30.4	11	37.2	12	40.6
Douglas			1	4.1	1	4.1	4	16.6	3	12.4
Ferry									1	16.4
Franklin	2	5.6			3	8.5	7	19.7	7	19.7
Pasco	1	5.4			2	10.9	5	27.1	4	21.7
Garfield										
Grant	5	9.5	1	1.9	8	15.2	6	11.4	8	15.2
Moses Lake	3	28.2	1	9.4			3	28.2	2	18.8
Grays Harbor	9	14.2	3	4.7	7	11.0	10	15.8	9	14.2
Aberdeen	4	23.4	1	5.8	1	5.8	5	29.2	3	17.5
Island	6	11.2			8	15.0	13	24.3	8	15.0
Oak Harbor					3	20.8	2	13.9		
Jefferson	9	48.4	2	10.8	5	26.9	1	5.4	5	26.9
King	105	7.4	38	2.7	232	16.4	239	16.9	240	17.0
Auburn	1	3.2	1	3.2	2	6.5	7	22.7	3	9.7
Bellevue	12	14.1	3	3.5	16	18.8	11	12.9	11	12.9
Des Moines	2	14.2					4	28.3	1	7.1
Kent	1	3.1			6	18.5	4	12.4	5	15.5
Kirkland	1	2.8			2	5.6	3	8.4	5	14.0
Mercer Island	1	4.8	1	4.8	6	29.0	6	29.0	2	9.7
Redmond	1	3.2	1	3.2	3	9.5	4	12.6	7	22.1
Renton	3	8.1	1	2.7	7	18.9	6	16.2	8	21.7
Seattle	38	7.7	15	3.0	109	22.0	104	21.0	106	21.4
Kitsap	8	4.5	6	3.4	24	13.5	24	13.5	30	16.9
Bremerton	3	8.1			4	10.8	11	29.7	7	18.9
Kittitas	1	4.0			4	16.0	6	24.0	3	12.0
Ellensburg	1	8.7					2	17.4	3	26.1
Klickitat	1	6.0	1	6.0	2	12.0	4	24.1	4	24.1
Lewis	6	10.5			13	22.6	10	17.4	9	15.7
Centralia	2	16.9			3	25.3	2	16.9	2	16.9
Lincoln					4	41.2	3	30.9	8	82.5
Mason	2	5.4	1	2.7	8	21.7	6	16.3	6	16.3
Okanogan	3	9.5	2	6.3	2	6.3	8	25.2	7	22.1
Pacific	2	11.4			5	28.4	5	28.4	6	34.1
Pend Oreille					1	11.4	1	11.4	1	11.4
Pierce	33	6.0	18	3.3	90	16.4	84	15.3	101	18.4
Puyallup	3	14.4			3	14.4	5	24.0	2	9.6
Tacoma	14	8.7	3	1.9	38	23.5	36	22.3	44	27.3
San Juan	2	20.8			2	20.8	3	31.3	2	20.8
Skagit	4	5.6			26	36.7	19	26.8	15	21.2
Anacortes	1	9.7			2	19.4	5	48.4	4	38.8
Mount Vernon	1	6.9			8	54.8	2	13.7	4	27.4
Skamania			1	12.5	2	25.0	2	25.0	1	12.5
Snohomish	29	7.1	11	2.7	85	20.8	71	17.3	55	13.4
Edmonds	8	28.1	2	7.0	9	31.6	8	28.1	6	21.1
Everett	6	9.8	4	6.6	25	41.0	18	29.5	12	19.7
Lynnwood	1	3.9	1	3.9	3	11.8	2	7.9	2	7.9
Mountlake Terrace	1	6.1	1	6.1	3	18.4	2	12.3	2	12.3
Spokane	23	6.5	16	4.5	80	22.6	74	20.9	67	18.9
Spokane (city)	16	9.4	12	7.1	45	26.4	38	22.3	36	21.2
Stevens	3	9.9	2	6.6	3	9.9	4	13.2	6	19.9
Thurston	12	8.0	9	6.0	29	19.4	28	18.8	31	20.8
Lacey			1	6.1	3	18.3	4	24.4	4	24.4
Olympia	6	19.8	2	6.6	11	36.3	7	23.1	9	29.7
Wahkiakum			1	28.6	2	57.1				
Walla Walla	3	6.2			11	22.8	12	24.8	12	24.8
Walla Walla (city)	3	11.8			5	19.7	7	27.5	9	35.4
Whatcom	10	8.4	1	.8	18	15.1	16	13.4	18	15.1
Bellingham	4	8.6			7	15.0	4	8.6	3	6.4
Whitman	1	2.6			9	23.1	4	10.3	6	15.4
Pullman	1	4.5			5	22.5	1	4.5	1	4.5
Yakima	14	7.5	4	2.1	25	13.4	34	18.3	25	13.4
Yakima (city)	4	8.1	2	4.0	13	26.3	13	26.3	13	26.3

[1] Rates per 100,000 estimated population.

Table 13

Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Residence, Washington State 1988

County and City	Total Number	Total Rate	Male Number	Male Rate	Female Number	Female Rate	Unknown Number	Unknown Rate
State Total	214	4.7	209	4.6	5	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick								
Richland								
Chelan	1	2.0	1	2.0				
Wenatchee								
Clallam								
Port Angeles								
Clark	7	3.3	6	2.8	1	.5		
Vancouver	5	11.6	5	11.6				
Columbia								
Cowlitz								
Kelso								
Longview								
Douglas								
Ferry								
Franklin								
Pasco								
Garfield								
Grant	1	1.9	1	1.9				
Moses Lake								
Grays Harbor	1	1.6	1	1.6				
Aberdeen								
Island								
Oak Harbor								
Jefferson								
King	148	10.5	147	10.4	1	.1		
Auburn								
Bellevue	3	3.5	3	3.5				
Des Moines	1	7.1	1	7.1				
Kent	2	6.2	2	6.2				
Kirkland	1	2.8	1	2.8				
Mercer Island	2	9.7	2	9.7				
Redmond	2	6.3	2	6.3				
Renton	2	5.4	2	5.4				
Seattle	114	23.0	113	22.8	1	.2		
Kitsap	7	3.9	7	3.9				
Bremerton	1	2.7	1	2.7				
Kittitas								
Ellensburg								
Klickitat								
Lewis	3	5.2	3	5.2				
Centralia								
Lincoln								
Mason	2	5.4	2	5.4				
Okanogan	1	3.2			1	3.2		
Pacific								
Pend Oreille								
Pierce	12	2.2	12	2.2				
Puyallup								
Tacoma	6	3.7	6	3.7				
San Juan	1	10.4	1	10.4				
Skagit	2	2.8	1	1.4	1	1.4		
Anacortes	1	9.7	1	9.7				
Mount Vernon	1	6.9			1	6.9		
Skamania								
Snohomish	11	2.7	11	2.7				
Edmonds	1	3.5	1	3.5				
Everett	4	6.6	4	6.6				
Lynnwood								
Mountlake Terrace	1	6.1	1	6.1				
Spokane	6	1.7	6	1.7				
Spokane (city)	6	3.5	6	3.5				
Stevens	1	3.3	1	3.3				
Thurston								
Lacey								
Olympia								
Wahkiakum								
Walla Walla	1	2.1			1	2.1		
Walla Walla (city)	1	3.9			1	3.9		
Whatcom	4	3.4	4	3.4				
Bellingham	1	2.1	1	2.1				
Whitman								
Pullman								
Yakima	4	2.1	4	2.1				
Yakima (city)		2.0	1	2.0				

[1] Rates per 100,000 estimated population.

Table 14

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1988

County and City	All Accidents Number	All Accidents Rate	Motor Vehicle Number	Motor Vehicle Rate	Falls Number	Falls Rate	Drownings Number	Drownings Rate	Fires Number	Fires Rate	All Other Accidents Number	All Other Accidents Rate
State Total	1,710	37.5	879	19.3	227	5.0	110	2.4	67	1.5	427	9.4
Adams	13	92.9	10	71.4	1	7.1	1	7.1			1	7.1
Asotin	5	28.7	3	17.2							2	11.5
Benton	27	25.9	13	12.5	3	2.9	2	1.9	2	1.9	7	6.7
Kennewick	9	24.2	6	16.1					2	5.4	1	2.7
Richland	9	29.9	3	10.0	1	3.3	1	3.3			4	13.3
Chelan	23	46.3	7	14.1	5	10.1	1	2.0			10	20.1
Wenatchee	10	53.0	3	15.9	4	21.2					3	15.9
Clallam	27	49.6	14	25.7	2	3.7	1	1.8	1	1.8	9	16.5
Port Angeles	6	34.6	4	23.1							2	11.5
Clark	79	36.8	41	19.1	5	2.3	5	2.3	4	1.9	24	11.2
Vancouver	30	69.3	17	39.3	1	2.3	1	2.3	1	2.3	10	23.1
Columbia	2	48.8	1	24.4	1	24.4						
Cowlitz	32	39.8	17	21.1	3	3.7	4	5.0	2	2.5	6	7.5
Kelso	4	36.8	1	9.2			1	9.2	2	18.4		
Longview	10	33.8	6	20.3	1	3.4	2	6.8			1	3.4
Douglas	10	41.5	4	16.6	1	4.1			1	4.1	4	16.6
Ferry	4	65.6	2	32.8							2	32.8
Franklin	8	22.5	8	22.5								
Pasco	5	27.1	5	27.1								
Garfield	1	41.7	1	41.7								
Grant	26	49.4	16	30.4	1	1.9	1	1.9	4	7.6	4	7.6
Moses Lake	5	46.9	4	37.6							1	9.4
Grays Harbor	46	72.6	22	34.7	5	7.9	3	4.7	3	4.7	13	20.5
Aberdeen	13	75.9	5	29.2	2	11.7	1	5.8	2	11.7	3	17.5
Island	27	50.6	14	26.2	2	3.7	1	1.9			10	18.7
Oak Harbor	7	48.6	3	20.8							4	27.8
Jefferson	8	43.0	3	16.1			1	5.4			4	21.5
King	453	32.0	214	15.1	75	5.3	30	2.1	17	1.2	117	8.3
Auburn	10	32.5	7	22.7	1	3.2	1	3.2			1	3.2
Bellevue	18	21.1	5	5.9	5	5.9	3	3.5			5	5.9
Des Moines	3	21.2	1	7.1	1	7.1					1	7.1
Kent	14	43.3	10	30.9	1	3.1	1	3.1	1	3.1	1	3.1
Kirkland	6	16.8	4	11.2	2	5.6						
Mercer Island	4	19.3	2	9.7							2	9.7
Redmond	5	15.8	3	9.5			1	3.2			1	3.2
Renton	17	46.0	12	32.5	3	8.1					2	5.4
Seattle	185	37.3	65	13.1	40	8.1	12	2.4	7	1.4	61	12.3
Kitsap	47	26.5	19	10.7	11	6.2	4	2.3	1	.6	12	6.8
Bremerton	13	35.1	1	2.7	4	10.8			1	2.7	7	18.9
Kittitas	8	32.0	5	20.0	2	8.0					1	4.0
Ellensburg	3	26.1	1	8.7	2	17.4						
Klickitat	20	120.5	11	66.3	2	12.0			2	12.0	5	30.1
Lewis	32	55.7	15	26.1	3	5.2			2	3.5	12	20.9
Centralia	9	75.9	5	42.2							4	33.8
Lincoln	6	61.9	5	51.5	1	10.3						
Mason	21	57.1	12	32.6	4	10.9	1	2.7	1	2.7	3	8.2
Okanogan	22	69.4	13	41.0	1	3.2	1	3.2			7	22.1
Pacific	9	51.1	1	5.7	1	5.7	1	5.7	1	5.7	5	28.4
Pend Oreille	12	136.4	6	68.2			2	22.7			4	45.5
Pierce	185	33.8	104	19.0	24	4.4	14	2.6	8	1.5	35	6.4
Puyallup	14	67.2	8	38.4	1	4.8	1	4.8			4	19.2
Tacoma	66	40.9	33	20.4	11	6.8	5	3.1	6	3.7	11	6.8
San Juan	3	31.3	3	31.3								
Skagit	43	60.7	28	39.5	3	4.2	3	4.2			9	12.7
Anacortes	3	29.1	1	9.7	2	19.4						
Mount Vernon	9	61.7	5	34.3			2	13.7			2	13.7
Skamania	3	37.5	1	12.5			2	25.0				
Snohomish	141	34.4	75	18.3	16	3.9	13	3.2	4	1.0	33	8.1
Edmonds	8	28.1	2	7.0	3	10.5	2	7.0			1	3.5
Everett	23	37.8	13	21.3	3	4.9	1	1.6	1	1.6	5	8.2
Lynnwood	6	23.6	4	15.7	1	3.9					1	3.9
Mountlake Terrace	9	55.2	4	24.6	2	12.3	1	6.1	1	6.1	1	6.1
Spokane	131	37.0	61	17.2	27	7.6	6	1.7	4	1.1	33	9.3
Spokane (city)	82	48.2	32	18.8	20	11.8	3	1.8	3	1.8	24	14.1
Stevens	18	59.6	10	33.1	3	9.9	2	6.6	1	3.3	2	6.6
Thurston	43	28.8	26	17.4	3	2.0	3	2.0			11	7.4
Lacey	4	24.4	3	18.3			1	6.1				
Olympia	20	66.1	10	33.0	1	3.3	1	3.3			8	26.4
Wahkiakum	3	85.7					1	28.6			2	57.1
Walla Walla	23	47.6	15	31.1	4	8.3					4	8.3
Walla Walla (city)	15	59.0	9	35.4	3	11.8					3	11.8
Whatcom	34	28.5	15	12.6	5	4.2	1	.8	2	1.7	11	9.2
Bellingham	9	19.3	1	2.1	2	4.3					6	12.9
Whitman	13	33.3	4	10.3	4	10.3			1	2.6	4	10.3
Pullman	4	18.0			3	13.5					1	4.5
Yakima	102	54.8	60	32.2	9	4.8	6	3.2	6	3.2	21	11.3
Yakima (city)	24	48.5	14	28.3	3	6.1	1	2.0			6	12.1

[1] Rates per 100,000 estimated population.

Table 15

Deaths with Rates[1] by External Causes by Place of Residence, Washington State 1988

County and City	Suicide		Homicide		Undetermined	
	Number	Rate	Number	Rate	Number	Rate
State Total	716	15.7	271	5.9	96	2.1
Adams	2	14.3				
Asotin	5	28.7				
Benton	21	20.2	2	1.9	2	1.9
Kennewick	7	18.8	1	2.6		
Richland	9	29.8			1	3.3
Chelan	12	24.1	8	16.1		
Wenatchee	6	31.8	3	15.9		
Clallam	8	14.7	1	1.8	3	5.5
Port Angeles	1	5.7	1	5.7		
Clark	28	13.1	6	2.8	5	2.3
Vancouver	8	18.4	2	4.6	2	4.6
Columbia						
Cowlitz	11	13.7	2	2.5	2	2.5
Kelso	1	9.1	1	9.1		
Longview	1	3.3	1	3.3		
Douglas	7	29.0	1	4.1		
Ferry	6	98.4				
Franklin	5	14.1	4	11.3	3	8.5
Pasco	3	16.2	3	16.2	3	16.2
Garfield						
Grant	9	17.1	5	9.5		
Moses Lake						
Grays Harbor	12	16.9	3	4.7	1	1.6
Aberdeen	2	11.6				
Island	6	11.2	3	5.6	1	1.9
Oak Harbor	2	13.8	1	6.9	1	6.9
Jefferson	8	43.0	2	10.8		
King	212	15.0	84	5.9	38	2.7
Auburn	5	16.2				
Bellevue	6	7.0	3	3.5		
Des Moines	3	21.2	1	7.0	1	7.0
Kent	4	12.3	1	3.0		
Kirkland	4	11.1	3	8.3		
Mercer Island	2	9.6				
Redmond	6	18.9				
Renton	3	8.1	1	2.7	2	5.4
Seattle	99	19.9	59	11.8	27	5.4
Kitsap	31	17.5	5	2.8	2	1.1
Bremerton	7	18.8	1	2.6		
Kittitas	3	12.0				
Ellensburg						
Klickitat	1	6.0				
Lewis	6	10.5	1	1.7		
Centralia	2	16.8				
Lincoln	1	10.3				
Mason	3	8.2	3	8.2	2	5.4
Okanogan	10	31.5	7	22.1		
Pacific	6	34.1	3	17.0	1	5.7
Pend Oreille			2	22.7		
Pierce	88	16.1	52	9.5	20	3.7
Puyallup	8	38.3	1	4.7		
Tacoma	36	22.3	24	14.8	16	9.9
San Juan	2	20.8			1	10.4
Skagit	13	18.4	4	5.6	1	1.4
Anacortes	1	9.6	1	9.6		
Mount Vernon	5	34.2	1	6.8		
Skamania	2	25.0				
Snohomish	70	17.1	14	3.4	4	1.0
Edmonds	3	10.5				
Everett	15	24.6	2	3.2	2	3.2
Lynnwood	5	19.6	1	3.9		
Mountlake Terrace	2	12.2	2	12.2		
Spokane	37	10.4	14	4.0	6	1.7
Spokane (city)	23	13.5	9	5.2	2	1.1
Stevens	7	23.2	1	3.3		
Thurston	26	17.4	8	5.4	1	.7
Lacey	5	30.5	2	12.2		
Olympia	7	23.1	3	9.9	1	3.3
Wahkiakum	1	26.6				
Walla Walla	8	16.6	4	8.3	1	2.1
Walla Walla (city)	6	23.5	2	7.8	1	3.9
Whatcom	17	14.3	6	5.0	1	.8
Bellingham	9	19.3	4	8.5		
Whitman	4	10.3				
Pullman	1	4.4				
Yakima	28	15.0	26	14.0	1	.5
Yakima (city)	11	22.2	10	20.2	1	2.0

[1] Rates per 100,000 estimated population.

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Table 16

Deaths by Month by Selected Causes, Washington State Occurrences 1983

Cause of Death with International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	36,423	3,510	3,246	3,153	2,988	2,982	2,902	2,982	2,845	2,835	2,942	2,913	3,125
Infectious and Parasitic Diseases (001-139)	615	70	41	42	51	45	42	53	57	53	63	46	52
Pneumonia (480-487)	1,234	166	160	106	90	85	85	86	71	72	87	93	133
Influenza (487)	82	16	45	12	2	2	1		1			1	2
Bronchitis (490-491)	72	7	11	13	7	5	5	1	3	4	8	1	7
Emphysema (492)	304	29	25	27	30	26	24	34	27	16	17	22	27
Asthma (493)	89	10	11	6	5	4	10	8	6	8	8	4	9
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,411	145	161	137	142	128	89	113	89	92	106	96	113
Congenital Anomalies (740-759)	243	15	11	16	21	21	28	30	18	21	23	25	14
Certain Causes of Mortality in Early Infancy (760-799)	226	19	14	31	19	24	15	31	13	10	14	26	10
Motorcycle Accidents (E810-E825)	76	2	4	2	7	8	6	18	13	8	4	1	3
Other Motor Vehicle Accidents (E810-E825)	741	38	38	71	56	63	77	73	68	67	61	71	58
Drownings Resulting from Boating Accident (E830-E832)	23	2		2	2	3	1	3	1	4	2	1	2
Other Drownings (E910)	81	4	4	2	4	7	9	20	12	8	2	4	5
Falls (E880-E888)	232	16	16	22	14	25	25	21	17	21	20	9	26
Fire (E890-E899)	67	19	9	4	2	3	2	7	2	4	2	9	4
Other Accidents (E800-E928)	236	24	13	17	17	26	24	25	24	12	21	14	19
Suicide (E950-E959)	709	67	56	64	72	60	44	57	71	47	48	61	62
Homicide (E960-E969)	276	32	26	24	19	19	19	22	23	14	31	25	22

Table 17

Deaths Due to Human Immunodeficiency Virus with Rates[1] by Place of Occurrence, Washington State 1988

County and City	Total		Male		Female		Unknown	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	210	4.6	206	4.5	4	.1		
Adams								
Asotin								
Benton	1	1.0	1	1.0				
Kennewick	1	2.7	1	2.7				
Richland								
Chelan								
Wenatchee								
Clallam								
Port Angeles								
Clark	4	1.9	4	1.9				
Vancouver	4	9.2	4	9.2				
Columbia								
Cowlitz								
Kelso								
Longview								
Douglas								
Ferry								
Franklin								
Pasco								
Garfield								
Grant								
Moses Lake								
Grays Harbor								
Aberdeen								
Island	1	1.9	1	1.9				
Oak Harbor								
Jefferson								
King	158	11.2	157	11.1	1	.1		
Auburn								
Bellevue	6	7.0	6	7.0				
Des Moines	1	7.1	1	7.1				
Kent								
Kirkland	3	8.4	3	8.4				
Mercer Island	1	4.8	1	4.8				
Redmond	2	6.3	2	6.3				
Renton	2	5.4	2	5.4				
Seattle	143	28.8	142	28.6	1	.2		
Kitsap	5	2.8	5	2.8				
Bremerton	1	2.7	1	2.7				
Kittitas								
Ellensburg								
Klickitat								
Lewis	1	1.7	1	1.7				
Centralia								
Lincoln								
Mason	1	2.7	1	2.7				
Okanogan	1	3.2			1	3.2		
Pacific								
Pend Oreille								
Pierce	10	1.8	10	1.8				
Puyallup	1	4.8	1	4.8				
Tacoma	8	5.0	8	5.0				
San Juan	1	10.4	1	10.4				
Skagit	1	1.4			1	1.4		
Anacortes								
Mount Vernon	1	6.9			1	6.9		
Skamania								
Snohomish	8	2.0	8	2.0				
Edmonds	1	3.5	1	3.5				
Everett	3	4.9	3	4.9				
Lynnwood								
Mountlake Terrace	2	12.3	2	12.3				
Spokane	6	1.7	6	1.7				
Spokane (city)	6	3.5	6	3.5				
Stevens	1	3.3	1	3.3				
Thurston	2	1.3	2	1.3				
Lacey								
Olympia	2	6.6	2	6.6				
Wahkiakum								
Walla Walla	1	2.1			1	2.1		
Walla Walla (city)	1	3.9			1	3.9		
Whatcom	4	3.4	4	3.4				
Bellingham	3	6.4	3	6.4				
Whitman								
Pullman								
Yakima	4	2.1	4	2.1				
Yakima (city)	3	6.1	3	6.1				

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[1] Rates per 100,000 estimated population.

Table 18

Deaths by External Causes with Rates[1] by Place of Occurrence, Washington State 1988

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		All Other Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	1,653	36.2	824	18.1	237	5.2	104	2.3	67	1.5	421	9.2
Adams	11	78.6	9	64.3			1	7.1			1	7.1
Asotin	2	11.5									2	11.5
Benton	20	19.2	9	8.6	2	1.9	1	1.0	1	1.0	7	6.7
Kennewick	6	16.1	3	8.1					1	2.7	2	5.4
Richland	9	29.9	3	10.0	1	3.3	1	3.3			4	13.3
Chelan	32	64.4	8	16.1	6	12.1	2	4.0			16	32.2
Wenatchee	21	111.3	4	21.2	5	26.5					12	63.6
Clallam	23	42.3	11	20.2	2	3.7			1	1.8	9	16.5
Port Angeles	14	80.7	6	34.6	2	11.5					6	34.6
Clark	39	18.2	15	7.0	5	2.3	3	1.4	4	1.9	12	5.6
Vancouver	28	64.7	7	16.2	5	11.6	1	2.3	3	6.9	12	27.7
Columbia	1	24.4									1	24.4
Cowlitz	26	32.3	14	17.4	2	2.5	4	5.0	2	2.5	4	5.0
Kelso	4	36.8	2	18.4			1	9.2	1	9.2		
Longview	19	64.3	11	37.2	2	6.8	2	6.8	1	3.4	3	10.1
Douglas	6	24.9	4	16.6					1	4.1	1	4.1
Ferry	7	114.8	6	98.4							1	16.4
Franklin	11	31.0	9	25.4			1	2.8			1	2.8
Pasco	3	16.3	3	16.3								
Garfield	1	41.7	1	41.7								
Grant	19	36.1	13	24.7	1	1.9	1	1.9	4	7.6		
Moses Lake	3	28.2	2	18.8					1	9.4		
Grays Harbor	35	55.2	14	22.1	4	6.3	4	6.3	3	4.7	10	15.8
Aberdeen	17	99.2	8	46.7	1	5.8	1	5.8	2	11.7	5	29.2
Island	14	26.2	8	15.0	1	1.9					5	9.4
Oak Harbor	2	13.9	1	6.9							1	6.9
Jefferson	11	59.1	5	26.9	1	5.4	1	5.4			4	21.5
King	502	35.5	239	16.9	77	5.4	31	2.2	21	1.5	134	9.5
Auburn	14	45.5	10	32.5			1	3.2			3	9.7
Bellevue	24	28.2	13	15.3	7	8.2	1	1.2			3	3.5
Des Moines	4	28.3			3	21.2					1	7.1
Kent	14	43.3	10	30.9			2	6.2	1	3.1	1	3.1
Kirkland	7	19.5	2	5.6	3	8.4					2	5.6
Mercer Island												
Redmond	5	15.8	5	15.8								
Renton	11	29.8	3	8.1	2	5.4	1	2.7			5	13.5
Seattle	373	75.2	164	33.1	59	11.9	22	4.4	18	3.6	110	22.2
Kitsap	31	17.5	9	5.1	8	4.5	3	1.7	1	.6	10	5.6
Bremerton	19	51.3	3	8.1	6	16.2	2	5.4	1	2.7	7	18.9
Kittitas	21	84.0	17	68.0	1	4.0					3	12.0
Ellensburg	11	95.7	9	78.3	1	8.7					1	8.7
Klickitat	18	108.4	9	54.2	1	6.0	1	6.0	2	12.0	5	30.1
Lewis	35	61.0	13	22.6	2	3.5	3	5.2	2	3.5	15	26.1
Centralia	10	84.4	3	25.3							7	59.1
Lincoln	3	30.9	2	20.6	1	10.3						
Mason	22	59.8	15	40.8	2	5.4	1	2.7	1	2.7	3	8.2
Okanogan	25	78.9	16	50.5	1	3.2	1	3.2			7	22.1
Pacific	8	45.5	5	28.4	1	5.7	1	5.7	1	5.7		
Pend Oreille	8	90.9	5	56.8			2	22.7			1	11.4
Pierce	177	32.3	97	17.7	32	5.8	7	1.3	7	1.3	34	6.2
Puyallup	14	67.2	7	33.6	1	4.8			1	4.8	5	24.0
Tacoma	108	66.9	51	31.6	24	14.9	5	3.1	6	3.7	22	13.6
San Juan	4	41.7	1	10.4			2	20.8			1	10.4
Skagit	46	65.0	28	39.5	5	7.1	4	5.6			9	12.7
Anacortes	5	48.4	2	19.4	3	29.1						
Mount Vernon	18	123.4	10	68.5	1	6.9	2	13.7			5	34.3
Skamania	10	125.0	2	25.0			5	62.5			3	37.5
Snohomish	106	25.9	52	12.7	14	3.4	6	1.5	4	1.0	30	7.3
Edmonds	9	31.6	1	3.5	5	17.5			1	3.5	2	7.0
Everett	35	57.5	16	26.3	3	4.9	1	1.6	1	1.6	14	23.0
Lynnwood	5	19.7	4	15.7	1	3.9						
Mountlake Terrace	5	30.7	3	18.4					1	6.1	1	6.1
Spokane	152	42.9	69	19.5	34	9.6	6	1.7	3	.8	40	11.3
Spokane (city)	137	80.5	60	35.3	31	18.2	5	2.9	3	1.8	38	22.3
Stevens	11	36.4	6	19.9	2	6.6	2	6.6			1	3.3
Thurston	46	30.8	26	17.4	8	5.4	3	2.0			9	6.0
Lacey	3	18.3	2	12.2			1	6.1				
Olympia	36	118.9	17	56.2	8	26.4	2	6.6			9	29.7
Wahkiakum	2	57.1					1	28.6			1	28.6
Walla Walla	24	49.7	13	26.9	5	10.4	1	2.1			5	10.4
Walla Walla (city)	21	82.5	10	39.3	5	19.7	1	3.9			5	19.7
Whatcom	44	36.9	20	16.8	6	5.0	3	2.5	2	1.7	13	10.9
Bellingham	23	49.3	11	23.6	4	8.6	2	4.3			6	12.9
Whitman	10	25.6	5	12.8	2	5.1			1	2.6	2	5.1
Pullman	4	18.0	2	9.0	1	4.5					1	4.5
Yakima	90	48.3	49	26.3	11	5.9	3	1.6	6	3.2	21	11.3
Yakima (city)	45	91.0	16	32.3	9	18.2	2	4.0	5	10.1	13	26.3

[1] Rates per 100,000 estimated population.

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Table 19

Deaths by External Causes with Rates[1] by Place of Occurrence, Washington State 1988

County and City	Suicide		Homicide		Undetermined	
	Number	Rate	Number	Rate	Number	Rate
State Total	709	15.5	276	6.0	97	2.1
Adams	3	21.4				
Asotin	5	28.7				
Benton	19	18.3	1	1.0		
Kennewick	9	24.2	1	2.7		
Richland	8	26.5				
Chelan	13	26.2	6	12.1		
Wenatchee	10	53.0	3	15.9		
Clallam	7	12.9	1	1.8	4	7.4
Port Angeles	5	28.8	1	5.8	2	11.5
Clark	26	12.1	5	2.3	3	1.4
Vancouver	18	41.6	4	9.2	3	6.9
Columbia						
Cowlitz	7	8.7	2	2.5	1	1.2
Kelso	3	27.6	1	9.2	1	9.2
Longview	3	10.1				
Douglas	6	24.9				
Ferry	4	65.6				
Franklin	5	14.1	4	11.3	3	8.5
Pasco	5	27.1	4	21.7	3	16.3
Garfield	1	41.7				
Grant	8	15.2	3	5.7		
Moses Lake	1	9.4	2	18.8		
Grays Harbor	15	23.7	3	4.7	1	1.6
Aberdeen	6	35.0	1	5.8		
Island	5	9.4	1	1.9		
Oak Harbor	1	6.9				
Jefferson	9	48.4	2	10.8		
King	219	15.5	92	6.5	45	3.2
Auburn	8	26.0	2	6.5		
Bellevue	10	11.7	1	1.2		
Des Moines	2	14.2			1	7.1
Kent	11	34.0	1	3.1	2	6.2
Kirkland	6	16.8				
Mercer island	2	9.7				
Redmond	8	25.2			1	3.2
Renton	6	16.2	2	5.4	2	5.4
Seattle	135	27.2	81	16.3	36	7.3
Kitsap	28	15.8	4	2.3		
Bremerton	11	29.7	1	2.7		
Kittitas	3	12.0	1	4.0		
Ellensburg	3	26.1				
Klickitat						
Lewis	8	13.9	3	5.2		
Centralia	2	16.9				
Lincoln	2	20.6				
Mason	3	8.2	3	8.2	1	2.7
Okanogan	10	31.5	7	22.1		
Pacific	7	39.8	3	17.0		
Pend Oreille			2	22.7		
Pierce	80	14.6	55	10.0	22	4.0
Puyallup	12	57.6	5	24.0		
Tacoma	47	29.1	34	21.1	18	11.2
San Juan	1	10.4				
Skagit	12	16.9	2	2.8	1	1.4
Anacortes	2	19.4				
Mount Vernon	5	34.3	1	6.9		
Skamania	2	25.0			1	12.5
Snohomish	66	16.1	14	3.4	3	.7
Edmonds	4	14.0				
Everett	21	34.5	4	6.6	2	3.3
Lynnwood	6	23.6				
Mountlake Terrace	1	6.1				
Spokane	41	11.6	14	4.0	6	1.7
Spokane (city)	35	20.6	12	7.1	5	2.9
Stevens	6	19.9	2	6.6		
Thurston	23	15.4	8	5.4	2	1.3
Lacey	4	24.4	1	6.1		
Olympia	14	46.3	7	23.1	2	6.6
Wahkiakum	1	28.6				
Walla Walla	12	24.8	4	8.3	2	4.1
Walla Walla (city)	12	47.2	3	11.8	2	7.9
Whatcom	21	17.6	6	5.0	1	.8
Bellingham	16	34.3	5	10.7	1	2.1
Whitman	3	7.7				
Pullman						
Yakima	28	15.0	28	15.0	1	.5
Yakima (city)	20	40.4	19	38.4	1	2.0

[1] Rates per 100,000 estimated population.

Table 20

Deaths by Type of Place by Place of Occurrence, Washington State 1988

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead on Arrival	Other and Not Specified
State Total	36,423	15,847	9,463	8,373	977	26	5	33	1,699
Adams	112	45	43	14				1	9
Asotin	129	44	51	33					1
Benton	591	291	93	163					24
Kennewick	243	96	52	82					13
Richland	270	173	29	67					1
Chelan	637	314	193	97				2	31
Wenatchee	487	281	140	52				2	12
Clallam	514	180	156	149				3	26
Port Angeles	327	165	75	74				2	11
Clark	1,340	499	433	354	7				47
Vancouver	1,130	498	330	271	7				24
Columbia	46	16	19	10				1	
Cowlitz	789	322	251	131					85
Kelso	46		5	34					7
Longview	690	322	232	68					68
Douglas	88		39	40					9
Ferry	28	11	1	5					11
Franklin	244	106	54	65					19
Pasco	226	106	54	58					8
Garfield	24	5	13	4					2
Grant	325	167	77	62					19
Moses Lake	145	76	43	23					3
Grays Harbor	631	250	206	138				1	36
Aberdeen	398	225	113	51				1	8
Island	294	64	89	117	5			2	17
Oak Harbor	56		14	38					4
Jefferson	158	44	35	58					21
King	11,521	5,515	2,586	2,636	267			5	512
Auburn	350	140	113	78					19
Bellevue	536	316	66	136					18
Des moines	230		192	32					6
Kent	154	1	6	118					29
Kirkland	406	212	108	76					10
Mercer island	80		48	29					3
Redmond	270	159	38	57					16
Renton	635	345	148	118					24
Seattle	7,965	4,186	1,550	1,668	267			4	290
Kitsap	1,172	455	320	305	31			2	59
Bremerton	746	455	148	127					16
Kittitas	218	64	73	53				1	27
Ellensburg	155	64	58	25					8
Klickitat	121	48	24	34				1	14
Lewis	501	214	156	96					35
Centralia	317	155	128	28					6
Lincoln	94	48	30	12					4
Mason	255	90	64	80			2	1	18
Okanogan	321	123	91	79					28
Pacific	188	67	62	47				1	11
Pend oreille	54	22	11	11					10
Pierce	4,400	1,898	1,041	904	406	13	2	3	131
Puyallup	716	348	239	122				1	6
Tacoma	3,018	1,543	738	550	112	9		1	65
San Juan	54		21	20				1	12
Skagit	760	324	204	180				2	50
Anacortes	162	47	72	36					7
Mount Vernon	327	157	89	71					10
Skamania	29			17					12
Snohomish	2,489	940	674	770					105
Edmonds	449	264	79	104					2
Everett	1,042	575	231	213					23
Lynnwood	166	1	74	81					10
Mountlake Terrace	41		1	37					3
Spokane	3,587	1,794	901	608	173	13	1		97
Spokane (city)	3,344	1,779	812	511	166	2			74
Stevens	189	59	60	60					10
Thurston	1,166	499	317	300				4	46
Lacey	168		112	48					8
Olympia	903	498	199	181				3	22
Wahkiakum	25		13	9					3
Walla Walla	628	250	189	94	86				9
Walla Walla (city)	565	250	145	78	86				6
Whatcom	946	277	366	233				1	69
Bellingham	730	276	288	139					27
Whitman	157	47	63	42					5
Pullman	56	24	18	14					
Yakima	1,598	755	444	323				1	75
Yakima (city)	1,128	611	303	189				1	24

Table 21

Infant Mortality by Age and Sex by Cause, Washington State Residents 1988

Cause and International List Number	Total		Under 1 Day		1 Day - Under 7 Days		7 Days - Under 28 Days		28 Days - Under 3 Months		3 Months - Under 6 Months		6 Months - Under 9 Months		9 Months - Under 12 Months	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total all causes	358	294	95	90	47	31	39	30	73	62	68	57	20	18	16	6
All Infective and Parasitic Diseases (000-139)	5	2					1	1	1	1	1				2	
Malignant Neoplasms (140-208,230-234)	1												1			
Meningitis (320,322)	1				1											
Diseases of the Circulatory System (390-459)	8	7			2				6	4		2				1
Pneumonia and Influenza (480-487)	2	5				1			1	3	1	1				
Other Diseases of Respiratory System (510-519)	3	4					1		1		1	3		1		
Hernia and Intestinal Obstruction (550-553,560)	1				1											
Congenital Anomalies (740-759)	81	60	26	19	15	14	12	8	14	8	7	9	5	2	2	
Anencephalus (740)	2	3	1	2	1			1								
Spina bifida and Meningocele (741)		2								2						
Other Anomalies of the Central Nervous System (742)	2	6	1	3		2	1							1		
Anomalies of the Heart (745-746)	25	14	1	1	4	6	7	3	6	3	4	1	3			
Other Anomalies of Circulatory System (747)	6	2			3		1	1	2			1				
Anomalies of the Respiratory System (748)	20	9	6	2	2	2	2		4	1	2	3	2	1	2	
Anomalies of the Digestive System (749-751)	1	1	1					1								
Anomalies of the Genitourinary System (752-753)	6	2	5	2	1											
Anomalies of the Musculoskeletal System (754-756)	10	6	5	4	1		1	1	2		1	1				
Chromosomal Anomalies (758)	5	9	3	1	2	3		1		2		2				
Other Congenital Anomalies	4	6	3	4	1	1						1				
Certain Diseases of Early Infancy (760-779)	116	109	66	69	25	14	16	18	2	5	5	1	2	2		
Maternal Diseases Affecting Child (760)	1	2	1	1		1										
Complications of Pregnancy Affecting Child (761-762)	18	21	18	20		1										
Birth Injuries (763,767-769)	44	35	15	11	17	10	7	9	1	3	3	1	1	1		
Other Diseases Peculiar to Early Infancy	53	51	32	37	8	2	9	9	1	2	2		1	1		
Sudden Infant Death Syndrome (7980)	101	79			1	1	6	3	42	32	42	36	8	7	2	
All Other Diseases (000-799)	21	15	2	2	1	1	2		4	4	7	3	3	3	2	2
All Accidents (E800-E949)	12	8	1		1		1			3			1	3	8	2
Motor Vehicle Accidents (E810-E825)	2	4								2			1	1	1	1
Accidental Drowning and Submersion (E910)	5		1												4	
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)																
Mechanical Suffocation in Bed or Cradle and In Other and Unspecified Circumstances (E913)	2	1	1	1	1											
All Other Accidents	3	3	1					2	2	1						
Homicide (E963-E968)	5	4		1	1	4	2			1						
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-988)	1	1	1	1												

Table 22

Matched Infant Deaths by Child's Race at Birth by Place of Residence, Washington State 1988[1]

County and City	Total	White	African-American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic[2]
State Total	652	516	54	37	2	2	3	18		20	24
Adams	2	2									2
Asotin	4	4									
Benton	10	10									1
Kennewick	4	4									1
Richland	4	4									
Chelan	9	8		1							1
Wenatchee	3	2		1							
Clallam	5	4		1							
Port Angeles	2	2									
Clark	40	34		2						4	3
Vancouver	11	9								2	1
Columbia											
Cowlitz	10	9								1	1
Kelso	3	3									1
Longview	3	2								1	
Douglas	1	1									1
Ferry											
Franklin	9	9									1
Pasco	7	7									
Garfield											
Grant	11	9	1							1	2
Moses Lake	1	1									
Grays Harbor	12	10		2							
Aberdeen	7	6		1							
Island	7	7									
Oak Harbor	2	2									
Jefferson	3	3									
King	190	126	32	7	1	2	3	8		11	3
Auburn	6	4		2							
Bellevue	7	4	2				1				
Des Moines											
Kent	5	5									
Kirkland	4	2								2	
Mercer Island											
Redmond	3	2								1	
Renton	2	2									
Seattle	87	42	28	4	1	2	2	5		3	2
Kitsap	21	18	1	1						1	
Bremerton	7	5	1							1	
Kittitas	3	3									
Ellensburg	2	2									
Klickitat	2	2									
Lewis	10	10									
Centralia											
Lincoln	1	1									
Mason	4	3									
Okanogan	3	1		2							1
Pacific											
Pend Oreille	3	2		1							
Pierce	97	67	14	9	1			6			6
Puyallup	9	7		2							
Tacoma	28	16	4	4				4			2
San Juan											
Skagit	16	15		1							
Anacortes	1	1									
Mount Vernon	3	3									
Skamania											
Snohomish	61	54	2	2				2		1	
Edmonds	6	5						1			
Everett	12	11		1							
Lynnwood	7	5	1					1			
Mountlake Terrace	4	4									
Spokane	45	39	3	2				1			
Spokane (city)	21	15	3	2				1			
Stevens	2	1		1							
Thurston	18	16		1				1			
Lacey	3	2						1			
Olympia	8	8									
Wahkiakum	1	1									
Walla Walla	7	7									
Walla Walla (city)	5	5									
Whatcom	12	10		1						1	
Bellingham	5	4								1	
Whitman	3	3									
Pullman	3	3									
Yakima	30	27	1	2							2
Yakima (city)	10	9	1								

[1] Tables prior to data year 1987 use infants's race at death.

[2] Hispanic numbers are not included in total sum.

Table 23

Infant Mortality by Leading Causes by Place of Residence, Washington State 1988

County and City	Total All Causes	Birth Injuries	Other Causes Of Mortality In Early Infancy	Congenital Malformations	Influenza and Pneumonia	All Accidents	Sudden Infant Death	All Other Causes
State Total	652	79	146	141	7	20	180	79
Adams	2			1				1
Asotin	4	1	2				1	
Benton	10	1	1	2		2	3	1
Kennewick	4		1	1		1	1	
Richland	4	1		1			1	1
Chelan	9	1	3	4				1
Wenatchee	3	1	1	1				
Clallam	5			1			4	
Port Angeles	2			1			1	
Clark	40	4	6	9	1		14	6
Vancouver	11	1	4	1			2	3
Columbia								
Cowlitz	10		3	2			3	2
Kelso	3		2				1	
Longview	3		1				1	1
Douglas	1		1					
Ferry								
Franklin	9	2		1	1		5	
Pasco	7	2			1		4	
Garfield								
Grant	11	2		4		2	2	1
Moses Lake	1	1						
Grays Harbor	12	1	5	2			3	1
Aberdeen	7	1	4	1			1	
Island	7	1	1			1	1	3
Oak Harbor	2							2
Jefferson	3	2		1				
King	190	27	46	36	2	5	50	24
Auburn	6	1	3				2	
Bellevue	7	3	1	1			2	
Des Moines								
Kent	5	1	1	2			1	
Kirkland	4	1	1					2
Redmond	3		1				1	1
Renton	2						1	1
Seattle	87	15	23	18	1	1	19	10
Kitsap	21	5	1	4		2	7	2
Bremerton	7	2	1	1		1		2
Kittitas	3		1		1		1	
Ellensburg	2		1				1	
Klickitat	2		1				1	
Lewis	10	1	2	6				1
Lincoln	1			1				
Mason	4						1	3
Okanogan	3		1	1			1	
Pacific								
Pend Oreille	3			1			1	1
Pierce	97	14	23	24		2	26	8
Puyallup	9	3	1	2			3	
Tacoma	28	3	10	4		2	6	3
San Juan								
Skagit	16	1	1	4		2	6	2
Mount Vernon	3					1	2	
Skamania								
Snohomish	61	8	8	14	1	3	17	10
Edmonds	6		1	2			1	2
Everett	12	1		2		1	6	2
Lynnwood	7	2	2	2			1	
Mountlake Terrace	4	2					1	1
Spokane	45	1	18	8			15	3
Spokane (city)	21	1	10	3			6	1
Stevens	2			1			1	
Thurston	18	1	9	2	1		4	1
Lacey	3			1			1	1
Olympia	8	1	4		1		2	
Wahkiakum	1							1
Walla Walla	7	1	2	1		1	2	
Walla Walla (city)	5	1	1	1		1	1	
Whatcom	12	1	3	4			2	2
Bellingham	5		2	2				1
Whitman	3		2				1	
Pullman	3		2				1	
Yakima	30	4	6	7			8	5
Yakima (city)	10		4	3			2	1

Table 24

Matched Infant Deaths[1] by Mother's Age Group by Place of Residence,[2] Washington State 1988

County and City	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	652	3	98	191	191	105	41	8	1	16
Adams	2			2						
Asotin	4		1	3						
Benton	10		2	2	4	2				
Kennewick	4		1	1	2					
Richland	4		1		1	2				
Chelan	9			5	1	3				
Wenatchee	3			1		2				
Clallam	5			2	2	1				
Port Angeles	2				2					
Clark	40		14	7	11	4	1			3
Vancouver	11		4	3	3					1
Columbia										
Cowlitz	10		2	2	4	1				1
Kelso	3			2	1					
Longview	3		2							1
Douglas	1				1					
Ferry										
Franklin	9	1	1	1	4	2				
Pasco	7	1		1	3	2				
Garfield										
Grant	11		2	2	4	1	1			1
Moses Lake	1		1							
Grays Harbor	12		3	3	3	1	2			
Aberdeen	7		1	2	3		1			
Island	7			4	2		1			
Oak Harbor	2			1	1					
Jefferson	3		1	2						
King	190		19	48	52	44	17	3		7
Auburn	6		2	2	1	1				
Bellevue	7		2	1	3		1			
Kent	5		1	2	2					
Kirkland	4		1		1			1		1
Redmond	3		1		1		1			
Renton	2				2					
Seattle	87		5	24	24	23	7			4
Kitsap	21		2	8	8	2				1
Bremerton	7				4	2				1
Kittitas	3			2		1				
Ellensburg	2			2						
Klickitat	2		1		1					
Lewis	10		1	3	5	1				
Lincoln	1			1						
Mason	4	1	1			1	1			
Okanogan	3			1		2				
Pacific										
Pend Oreille	3		1	2						
Pierce	97		16	32	23	17	7	2		
Puyallup	9		2	4	1	2				
Tacoma	28		4	14	7	1	1	1		
San Juan										
Skagit	16		2	4	8	1	1			
Anacortes	1		1							
Mount Vernon	3			1	2					
Skamania										
Snohomish	61		4	14	28	7	7	1		
Edmonds	6			1	5					
Everett	12			4	5	1	2			
Lynnwood	7		1	2	2	2				
Mountlake Terrace	4			1	2	1				
Spokane	45		8	19	14	3	1			
Spokane (city)	21		4	8	7	2				
Stevens	2								1	1
Thurston	18		2	7	4	4		1		
Lacey	3			2	1					
Olympia	8		1	2	2	2		1		
Wahkiakum	1		1							
Walla Walla	7		2	4				1		
Walla Walla (city)	5			4				1		
Whatcom	12		1	4	3	2	2			
Bellingham	5			1	1	2	1			
Whitman	3				2	1				
Pullman	3				2	1				
Yakima	30	1	9	7	7	4				2
Yakima (city)	10		4	4	2					

[1] Deaths are matched with births to find mother's age.

[2] Residence is the infant's at the time of death.

Table 25

Fetal, Perinatal, Neonatal, and Infant Mortality by Place of Residence, Washington State 1988

County and City	Fetal Deaths Number	Fetal Deaths Ratio[1]	Perinatal Mortality[2] Number	Perinatal Mortality[2] Rate[3]	Neonatal Mortality Number	Neonatal Mortality Rate[4]	Infant Mortality Number	Infant Mortality Rate[4]
State Total	381	5.3	644	8.8	332	4.6	652	9.0
Adams	2	7.7	4	15.3	2	7.7	2	7.7
Asotin			3	12.9	4	17.2	4	17.2
Benton	14	8.0	15	8.5	2	1.1	10	5.7
Kennewick	7	8.6	7	8.5	1	1.2	4	4.9
Richland	5	12.2	6	14.5	1	2.4	4	9.8
Chelan	10	12.0	14	16.6	4	4.8	9	10.8
Wenatchee	5	14.7	7	20.2	2	5.9	3	8.8
Clallam	3	4.3	3	4.2			5	7.1
Port Angeles	1	4.1	1	4.1			2	8.2
Clark	13	3.8	26	7.5	17	4.9	40	11.5
Vancouver	7	4.6	11	7.2	5	3.3	11	7.2
Columbia								
Cowlitz	3	2.4	6	4.8	4	3.2	10	8.0
Kelso	1	4.4	3	13.3	2	8.9	3	13.3
Longview	1	1.9	1	1.9			3	5.6
Douglas	3	8.6	4	11.4	1	2.9	1	2.9
Ferry								
Franklin	6	7.7	9	11.5	5	6.4	9	11.6
Pasco	3	5.8	5	9.6	3	5.8	7	13.5
Garfield								
Grant	6	6.7	9	10.0	4	4.5	11	12.3
Moses Lake					1	5.0	1	5.0
Grays harbor	8	8.4	13	13.5	8	8.4	12	12.5
Aberdeen	3	10.2	7	23.6	6	20.5	7	23.9
Island	3	3.2	5	5.3	2	2.1	7	7.5
Oak Harbor							2	4.8
Jefferson			3	13.0	3	13.0	3	13.0
King	78	3.7	151	7.1	95	4.5	190	9.0
Auburn	2	3.1	5	7.8	4	6.3	6	9.4
Bellevue	1	1.0	5	5.1	4	4.1	7	7.2
Des moines	3	21.1	3	20.7				
Kent	7	11.9	10	16.8	4	6.8	5	8.5
Kirkland	2	5.7	4	11.3	2	5.7	4	11.4
Redmond			2	4.0	2	4.0	3	6.0
Renton	4	6.2	4	6.1			2	3.1
Seattle	45	6.4	83	11.7	47	6.7	87	12.4
Kitsap	19	6.7	27	9.4	9	3.2	21	7.4
Bremerton	3	2.8	7	6.5	4	3.7	7	6.5
Kittitas	2	6.8	3	10.1	1	3.4	3	10.2
Ellensburg	1	7.5	2	14.8	1	7.5	2	14.9
Klickitat	5	22.6	6	26.5	1	4.5	2	9.0
Lewis	4	4.7	10	11.7	8	9.4	10	11.8
Lincoln							1	9.8
Mason	3	6.8	3	6.7			4	9.0
Okanogan	1	1.8	3	5.5	2	3.7	3	5.5
Pacific	1	4.0	1	3.9				
Pend Oreille			1	8.0	1	8.0	3	24.0
Pierce	58	5.8	105	10.5	54	5.4	97	9.8
Puyallup	1	2.5	5	12.3	6	14.8	9	22.2
Tacoma	21	6.3	36	10.7	16	4.8	28	8.4
San Juan								
Skagit	10	9.1	15	13.5	6	5.4	16	14.5
Mount Vernon	2	6.9	2	6.9	1	3.5	3	10.4
Skamania								
Snohomish	34	4.6	59	8.0	32	4.3	61	8.3
Edmonds	4	8.7	7	15.1	3	6.5	6	13.1
Everett	9	5.7	11	6.9	3	1.9	12	7.6
Lynnwood	6	9.7	10	16.0	6	9.7	7	11.3
Mountlake Terrace			1	3.7	2	7.4	4	14.9
Spokane	39	7.3	57	10.7	26	4.9	45	8.5
Spokane (city)	20	6.7	31	10.3	15	5.0	21	7.0
Stevens	3	7.5	3	7.5	1	2.5	2	5.0
Thurston	11	5.0	20	9.1	10	4.6	18	8.2
Lacey							3	9.8
Olympia	2	3.2	6	9.7	5	8.1	8	13.0
Wahkiakum							1	25.6
Walla Walla	3	4.8	6	9.5	3	4.8	7	11.1
Walla Walla (city)	2	5.3	4	10.6	2	5.3	5	13.4
Whatcom	8	4.8	14	8.3	8	4.8	12	7.2
Bellingham	4	6.2	6	9.3	4	6.2	5	7.8
Whitman	2	4.9	4	9.8	2	4.9	3	7.4
Pullman	2	10.5	4	20.7	2	10.5	3	15.7
Yakima	29	8.2	42	11.7	17	4.8	30	8.4
Yakima (city)	9	9.0	15	14.8	7	7.0	10	10.0

[1] Ratio per 1,000 live births

[2] Fetal deaths plus liveborn infants dying at 6 days and under

[3] Rate per 1,000 live births plus fetal deaths

[4] Rate per 1,000 live births

Table 26

Fetal, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, Washington State 1988

County and City	Fetal Deaths		Perinatal Mortality[2]		Neonatal Mortality		Infant Mortality	
	Number	Ratio[1]	Number	Rate[3]	Number	Rate[4]	Number	Rate[4]
State Total	370	5.2	632	8.8	332	4.7	658	9.2
Adams	3	10.5	3	10.3				
Asotin					1	1000.0	1	1000.0
Benton	14	6.9	14	6.8			7	3.4
Kennewick	2	2.7	2	2.7			3	4.1
Richland	11	11.5	11	11.4			3	3.1
Chelan	11	9.2	13	10.7	2	1.7	3	2.5
Wenatchee	9	8.1	11	9.9	2	1.8	2	1.8
Clallam	2	2.8	2	2.8			4	5.6
Port Angeles	2	3.2	2	3.2			2	3.2
Clark	3	1.3	7	3.0	6	2.6	19	8.2
Vancouver	3	1.3	7	3.0	6	2.6	19	8.2
Columbia								
Cowlitz	6	4.5	6	4.4			7	5.2
Longview	6	4.5	6	4.5			7	5.2
Douglas								
Ferry							1	27.8
Franklin	7	10.6	8	12.0	3	4.6	8	12.2
Pasco	7	10.7	8	12.1	3	4.6	8	12.2
Garfield								
Grant	2	2.8	2	2.8			6	8.5
Moses Lake	1	1.7	1	1.7			1	1.7
Grays harbor	5	7.5	8	11.9	3	4.5	7	10.4
Aberdeen	5	7.6	8	12.0	3	4.6	4	6.1
Island	3	3.8	3	3.8			3	3.8
Jefferson								
King	101	4.2	224	9.3	162	6.8	292	12.2
Auburn	2	3.3	4	6.6	2	3.3	4	6.6
Bellevue	2	.9	6	2.7	5	2.2	7	3.1
Des moines	1	1000.0	1	500.0				
Kent							3	136.4
Kirkland	4	2.0	5	2.5	2	1.0	3	1.5
Redmond	3	2.1	4	2.7	1	.7	2	1.4
Renton	4	1.4	6	2.1	2	.7	7	2.5
Seattle	83	6.1	195	14.2	149	10.9	253	18.5
Kitsap	18	7.2	20	8.0	2	.8	10	4.0
Bremerton	14	7.4	16	8.4	2	1.1	6	3.2
Kittitas	2	7.3	2	7.2			2	7.3
Ellensburg	2	7.4	2	7.3			1	3.7
Klickitat	3	13.4	3	13.2			1	4.5
Lewis	6	6.7	8	8.8	3	3.3	3	3.3
Centralia	3	4.6	4	6.2	2	3.1	2	3.1
Lincoln								
Mason							2	8.9
Okanogan	1	1.9	3	5.7	2	3.8	4	7.6
Pacific								
Pend oreille								
Pierce	62	5.9	115	10.8	61	5.8	107	10.1
Puyallup	7	5.2	8	5.9	2	1.5	13	9.6
Tacoma	40	6.2	78	12.0	42	6.5	68	10.5
San Juan								
Skagit	8	5.8	9	6.5	2	1.4	9	6.5
Mount Vernon	1	1.1	1	1.1	1	1.1	5	5.6
Skamania								
Snohomish	20	3.9	28	5.5	9	1.8	35	6.9
Edmonds	3	1.9	7	4.5	4	2.6	7	4.5
Everett	14	4.8	18	6.1	4	1.4	19	6.5
Lynnwood							2	83.3
Mountlake Terrace							2	250.0
Spokane	45	7.4	85	13.9	52	8.5	81	13.3
Spokane (city)	42	7.5	82	14.5	52	9.3	79	14.1
Stevens								
Thurston	9	4.3	14	6.7	5	2.4	11	5.3
Lacey							2	500.0
Olympia	8	3.9	13	6.3	5	2.4	9	4.4
Wahkiakum								
Walla Walla	4	4.5	5	5.6	1	1.1	3	3.4
Walla Walla (city)	4	4.6	5	5.7	1	1.1	3	3.4
Whatcom	7	4.4	8	5.0	1	.6	3	1.9
Bellingham	6	3.8	7	4.4	1	.6	1	.6
Whitman	2	5.5	3	8.2	1	2.7	2	5.5
Pullman	2	5.7	3	8.5	1	2.8	2	5.7
Yakima	26	7.6	39	11.4	16	4.7	27	7.9
Yakima (city)	20	7.9	33	12.9	16	6.3	22	8.6

[1] Ratio per 1,000 live births
[2] Fetal deaths plus liveborn infants dying at 6 days and under
[3] Rate per 1,000 live births plus fetal deaths
[4] Rate per 1,000 live births

Table 27

Fetal Mortality by Sex and Weight, Washington State Residents 1988

Gram Weight	Total	Male	Female	Unknown
State Total	381	193	187	1
1,000 grams or less	128	67	60	1
1,001 - 1,500	40	22	18	
1,501 - 2,000	33	21	12	
2,001 - 2,500	28	12	16	
2,501 - 3,000	34	16	18	
3,001 - 3,500	36	15	21	
3,501 - 4,000	23	8	15	
4,001 - 4,500	2	2	0	
4,501 and Over	13	7	6	
Not Stated	44	23	21	

Table 28

Fetal Mortality by Cause, Washington State Residents 1988

Cause with International List Number		Totals
Total All Causes		381
Congenital Anomalies (740-759)		49
Anencephalus (740)	9	
Spina Bifida (741)	1	
Other Anomalies of the Central Nervous System (742)	1	
Anomalies of the Heart (745-746)	4	
Other Anomalies of Circulatory System (747)	1	
Anomalies of Respiratory System (748)	1	
Anomalies of Digestive System (749-751)	3	
Anomalies of the Genitourinary System (752-753)		
Anomalies of Musculoskeletal System (754-756)	4	
Chromosomal Anomalies (758)	13	
Other and Unspecified Congenital Anomalies (743-744,757,759)	12	
Certain Causes of Perinatal Morbidity and Mortality (760-779)		331
Maternal Conditions which may be Unrelated to Pregnancy (760)		
Chronic Hypertension (760.0)	7	
Maternal Infections (760.2)	3	
Maternal Injury (760.5)	3	
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	7	
Maternal Conditions Related to Pregnancy (761)		
Incompetent Cervix (761.0)	11	
Premature Rupture of Membranes (761.1)	12	
Other Maternal Conditions (761.2-761.9)	6	
Complications of Placenta, Cord, and Membranes (762)		
Complications of Placenta (762.0-762.3)	45	
Complications of Cord (762.4-762.6)	69	
Complications of Membranes (762.7-762.9)	7	
Complications of Labor (763)	6	
Other Complications of Pregnancy and Childbirth (764-767)	11	
Intrauterine Hypoxia (768)	19	
Diseases of the Fetus and Ill-defined Causes (769-779)		
Respiratory Conditions (769-770)	5	
Infections Specific to the Perinatal Period (771)	4	
Fetal Hemorrhage (772)	6	
Haemolytic Disease and Other Perinatal Jaundice (773-774)	2	
Endocrine and Metabolic Disturbances (775)	3	
Haematological Disorders (776)		
Disorders of Digestive System (777)	3	
Conditions Involving the Integument and Temperature Regulation (778)	4	
Other Conditions of Fetus (779)	98	
All Other Causes (001-739,780-799)		1

Table 29

Fetal Deaths by Mother's Age Group by Place of Residence, Washington State 1988

County	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State total	381	3	19	25	84	111	77	42	14		6
Adams	2							1	1		
Asotin											
Benton	14			1	3	3	4	3			
Chelan	10		1	1	4	1	1	2			
Clallam	3				1	1			1		
Clark	13				5	3	1	3	1		
Columbia											
Cowlitz	3			1	2						
Douglas	3					1		2			
Ferry											
Franklin	6				1	3	1	1			
Garfield											
Grant	6			1	1	2	2				
Grays Harbor	8		1		3	1	1	1	1		
Island	3				2		1				
Jefferson											
King	78	1	1	5	10	26	16	10	4		5
Kitsap	19		1	1	5	4	6	2			
Kittitas	2						1		1		
Klickitat	5					2	1	2			
Lewis	4			1	1	1	1				
Lincoln											
Mason	3						1	2			
Okanogan	1					1					
Pacific	1							1			
Pend Oreille											
Pierce	58		6	3	13	20	10	3	3		
San Juan											
Skagit	10			1	2	5	2				
Skamania											
Snohomish	34	1	2	4	6	9	10	2			
Spokane	39		1	3	11	12	8	3			1
Stevens	3					2			1		
Thurston	11		3		1	3	4				
Wahkiakum											
Walla Walla	3		1				2				
Whatcom	8		1	1	1	1	1	3			
Whitman	2					2					
Yakima	29	1	1	2	12	8	3	1	1		

INDUCED TERMINATIONS OF PREGNANCY

Table 1
Induced Terminations of Pregnancy by Selected Topics, 1988

A. Residents, Age Group of Patient

Age Group	Number	Percent
All Ages	29,175	100.0%[1]
<15	185	0.6
15-17	2,813	9.6
18-19	4,196	14.4
20-24	9,373	32.1
25-29	6,503	22.3
30-34	3,719	12.7
35-39	1,891	6.5
40-44	444	1.5
45+	35	0.1
Unknown	18	0.1

B. Residents, Gestational Age

Weeks	Number	Percent
Total	29,175	100.0%[1]
1-4	483	1.7
5-8	16,349	56.0
9	3,950	13.5
10	3,035	10.4
11	1,434	4.9
12	1,120	3.8
13-15	1,327	4.5
16-19	989	3.4
20+	463	1.6
Unknown	25	0.1

C. Residents, Number of Previous Abortions

Previous Abortions	Number	Percent
Total	29,175	100.0%[1]
0	14,682	50.3
1	7,593	26.0
2	3,111	10.7
3	1,179	4.0
4	414	1.4
Over 4	311	1.1
Unknown	1,885	6.5

D. Residents, Number of Previous Live Births

Previous Live Births	Number	Percent
Total	29,175	100.0%[1]
0	15,980	54.8
1	5,375	18.4
2	4,008	13.7
3	1,367	4.7
4	390	1.3
Over 4	188	.6
Unknown	1,867	6.4

E. Residents, Number of Previous Pregnancies

Previous Pregnancies	Number	Percent
Total	29,175	100.0%[1]
0	9,723	33.3
1	6,394	21.9
2	4,958	17.0
3	3,129	10.7
4	1,667	5.7
Over 4	1,439	4.9
Unknown	1,865	6.4

F. Residents, Race and Hispanic Origin

Race	Number	Percent
Total	29,175	100.0%[1]
White	16,649	57.1
African-American	1,630	5.6
Asian	1,035	3.5
Native American	272	0.9
Other	240	0.8
Unknown	9,349	32.0
Hispanic Origin[2]	401	1.4

Table 1 (Continued)
Induced Terminations of Pregnancy by Selected Topics, 1988

G. Residence and Occurrence, Travel Patterns

Residence	Number	Percent	Occurrence	Number	Percent
Total	29,175	100.0%[1]	Total	29,802	100.0%[1]
Inside Home County	18,874	64.7	County Resident	18,874	63.3
Outside Home County	10,301	35.3	Out-of-County Resident	10,928	36.7

H. Occurrence, Operative Procedure

Procedure	Number	Percent
Total	29,802	100.0%[1]
Suction Curettage	26,913	90.3
Dilatation & Evacuation	2,680	9.0
Saline	94	0.3
Prostaglandin	91	0.3
Sharp Curettage	12	—
Hysterectomy/Hysterotomy	4	—
Other	4	—
Unknown	4	—

I. Occurrence, State or Country of Residence

State or Country	Number	Percent
Total	29,802	100.0%[1]
Washington	28,053	94.1
Idaho	445	1.5
Oregon	190	0.6
Alaska	186	0.6
California	31	0.1
Montana	23	0.1
Canada	794	2.7
Other States and Countries	63	0.2
Unknown	17	0.1

J. Occurrence, Type of Complication

Complication	Number	Percent
Total	263	100.0%[1]
Retained Products	70	26.6
Infection	34	12.9
Hemorrhage >500 cc	25	9.5
Uterine Perforation	3	1.1
Failed Abortion	12	4.6
Cervical Laceration	6	2.3
Other Complications[3]	104	39.5
Multiple Complications	9	3.4

K. Occurrence, Type of Facility

Facility Type	Number	Percent
Total	29,802	100.0%[1]
Hospital	1,007	3.4
Nonhospital	28,795	96.6

[1] Detail may not add to 100% due to rounding.

[2] Hispanic numbers are not included in total sum.

[3] Other complications include 85 minor complications, such as unexplained pain and hemorrhage less than 500 cc.

Table 2

Induced Abortions, Live Births, and Abortion Ratio with Percent Change, Washington State Residents 1974-1988

Year	Induced Abortions[1]	Percent Change	Live Births	Percent Change	Abortion Ratio[2]	Percent Change
1974	16,159		50,096		323	
1975	18,628	+15.3	50,821	+1.4	367	+13.6
1976	20,251	+8.7	53,004	+4.3	382	+4.1
1977	23,938	+18.2	57,256	+8.0	418	+9.4
1978	26,254	+9.7	58,725	+2.6	447	+6.9
1979	26,796	+2.1	64,377	+9.6	416	-6.9
1980	27,947	+4.3	67,857	+5.4	412	-1.0
1981	28,968	+3.7	69,756	+2.8	415	+.7
1982	27,431	-5.3	69,529	-.3	395	-4.8
1983	26,560	-3.2	68,705	-1.2	387	-2.0
1984	26,732	+.6	68,947	+.4	388	+.3
1985	25,835	-3.4	70,226	+1.9	368	-5.2
1986	26,991	+4.5	69,431	-1.1	389	+5.7
1987	29,067	+7.7	70,329	+1.3	413	+6.2
1988	29,175	+.4	72,471	+3.0	403	-2.4

[1] Resident abortion figures for 1974 through 1977 are estimates derived from occurrence abortion counts for those years. The occurrence counts were discounted by 11.14 percent on the basis of the 1978 ratio of residents to occurrences (i.e., 88.86 percent of the total abortions reported in 1978 were to Washington State Residents). Estimates are not the same as those published in the 1978 and 1979 reports.

[2] Number of resident abortions per 1,000 resident live births.

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Table 3

Reported Pregnancy Outcomes with Percents by Age of Patient, Washington State Residents 1988

Age of Patient	Abortions		Fetal Deaths		Live Births		Total Reported Pregnancies
Totals	29,175	(28.6%)	381	(.4%)	72,471	(71.0%)	102,027
Under 15	185	(64.9%)	3	(1.1%)	97	(34.0%)	285
15-17	2,813	(52.8%)	19	(.4%)	2,498	(46.9%)	5,330
18-19	4,196	(45.3%)	25	(.3%)	5,045	(54.4%)	9,266
20-24	9,373	(32.5%)	84	(.3%)	19,344	(67.2%)	28,801
25-29	6,503	(21.8%)	111	(.4%)	23,246	(77.9%)	29,860
30-34	3,719	(19.0%)	77	(.4%)	15,730	(80.6%)	19,526
35-39	1,891	(25.2%)	42	(.6%)	5,577	(74.3%)	7,510
40-44	444	(34.7%)	14	(1.1%)	823	(64.2%)	1,281
45 and Over	35	(50.7%)			34	(49.3%)	69
Unknown	16	(17.8%)	6	(5.9%)	77	(76.2%)	69

SHABB4-R004

Table 4

Age Group Specific Fertility Rate, Abortion Rate, and Abortion Ratio, Washington State Residents 1988

Age of Patient	Female Population[1]	Fertility Rate[2]	Abortion Rate[3]	Abortion Ratio[4]
10-14	145,552	.7	1.3	1,907
15-19	159,344	47.3	44.0	929
15-17	94,538	26.4	29.8	1,126
18-19	64,806	77.9	64.8	832
20-24	164,153	117.8	57.1	485
25-29	187,879	123.7	34.6	280
30-34	203,107	77.5	18.3	236
35-39	195,080	28.6	9.7	339
40-44	167,686	4.9	2.7	539
15-44	1,077,249	67.1	26.9	400

[1] 1988 estimates from Office of Financial Management.

[2] Resident live births for specific age group per 1,000 female population in that age group.

[3] Resident abortions for specific age group per 1,000 female population in that age group.

[4] Resident abortions for specific age group per 1,000 resident live births for that age group.

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Table 5

Previous Live Births by Age of Patient, Washington State Residents 1988

Age of Patient	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,175	15,980	5,375	4,008	1,367	390	188	1,867
Under 15	185	172	1	2				10
15-17	2,813	2,445	167	10	3	2	2	184
18-19	4,196	3,202	534	108	11	2	2	337
20-24	9,373	5,440	2,010	989	277	35	8	614
25-29	6,503	2,692	1,476	1,371	425	118	34	387
30-34	3,719	1,363	766	894	343	106	53	194
35-39	1,891	545	350	495	234	97	55	115
40-44	444	103	64	128	67	27	31	24
45 & Over	35	6	4	11	6	3	3	2
Unknown	16	12	3		1			

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Table 6

Previous Induced Abortions by Age of Patient, Washington State Residents 1988

Age of Patient	Total	0	1	2	3	4	Over 4	Unknown
State Total	29,175	14,682	7,593	3,111	1,179	414	311	1,885
Under 15	185	162	9	4				10
15-17	2,813	2,241	322	52	9	4	1	184
18-19	4,196	2,803	826	188	35	6	1	337
20-24	9,373	4,561	2,684	998	357	102	54	617
25-29	6,503	2,472	1,982	1,002	385	146	123	393
30-34	3,719	1,361	1,128	554	276	107	92	201
35-39	1,891	796	534	260	105	44	35	117
40-44	444	256	96	48	12	3	5	24
45 & Over	35	16	11	4		2		2
Unknown	16	14	1	1				

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Table 7

Induced Abortions by Age of Patient by Gestation of Pregnancy, Washington State Residents 1988

Weeks Gestation	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Total	29,175	185	2,813	4,196	9,373	6,503	3,719	1,891	444	35	16
Under 9	16,832	73	1,326	2,194	5,335	3,937	2,381	1,271	281	22	12
9-12	9,539	73	1,091	1,501	3,074	2,045	1,097	514	129	11	4
13-15	1,327	17	180	231	455	266	123	41	13	1	
16-19	989	13	150	176	329	183	80	41	16	1	
20 & Over	463	9	65	89	170	70	34	21	5		
Unknown	25		1	5	10	2	4	3			

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Table 8

Induced Abortions by Type of Procedure by Gestation of Pregnancy, Washington State Occurrences 1988

Type of Procedure	Total	< 9 Weeks	9-12 Weeks	13-15 Weeks	16-19 Weeks	20+ Weeks	Unknown
State Total	29,802	17,350	9,541	1,335	1,047	513	16
Suction Curettage	26,913	16,877	9,375	600	39	7	15
Dilatation and Evacuation (D&E)	2,680	463	160	733	932	392	
Sharp Curettage	12	8	3			1	
Saline	94				20	74	
Prostaglandin	91			1	54	35	1
Hysterotomy/Hysterectomy	4		1	1	1	1	
Other	4				1	3	
Unknown	4	2	2				

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Table 9

Induced Abortions with Complications by Procedure by Gestation of Pregnancy, Washington State Occurrences 1988

Type of Procedure	Total	< 9 Weeks	9-12 Weeks	13-15 Weeks	16-19 Weeks	20+ Weeks	Unknown
State Total	263	127	79	8	24	22	3
Rate[1]	8.8	7.3	8.3	6.0	22.9	42.9	187.5
Suction Curettage	202	116	78	3	1	1	3
Rate[1]	7.5	6.9	8.3	5.0	25.6	142.9	200.0
Dilatation and Evacuation (D&E)	34	11	1	4	11	7	
Rate[1]	12.7	23.8	6.3	5.5	11.8	17.9	
Sharp Curettage							
Rate[1]							
Saline	6				1	5	
Rate[1]	63.8				50.0	67.6	
Prostaglandin	17				9	8	
Rate[1]	186.8				166.7	228.6	
Hysterotomy/Hysterectomy	3			1	1	1	
Rate[1]	750.0			1000.0	1000.0	1000.0	
Other	1				1		
Rate[1]	250.0				1000.0		

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Table 10

Induced Abortions with Complications by Type by Gestation of Pregnancy, Washington State Occurrences 1988

Type of Complication	Total[2]	< 9 Weeks	9-12 Weeks	13-15 Weeks	16-19 Weeks	20+ Weeks	Unknown
State Total	263	127	79	8	24	22	3
Rate[1]	8.8	7.3	8.3	6.0	22.9	42.9	187.5
Hemorrhage	25	11	10	1	1	2	
Rate[1]	.8	.6	1.0	.7	1.0	3.9	
Infection	34	21	10		2	1	
Rate[1]	1.1	1.2	1.0		1.9	1.9	
Uterine Perforation	3	3					
Rate[1]	.1	.2					
Cervical Laceration	6	3	1	1		1	
Rate[1]	.2	.2	.1	.7		1.9	
Retained Products	70	37	13	2	9	9	
Rate[1]	2.3	2.1	1.4	1.5	8.6	17.5	
Failed Abortion	12	6	2		1		3
Rate[1]	.4	.3	.2		1.0		167.5
Other Complications	104	43	42	4	8	7	
Rate[1]	3.5	2.5	4.4	3.0	7.6	13.6	
Multiple Complications	9	3	1		3	2	
Rate[1]	.3	.2	.1		2.9	3.9	

[1] Complications per 1,000 procedures.

[2] Total number of patients with complications was 263. Total number of complications was 272.

Table 11. Induced Abortion Intercounty Travel Patterns

Occurrence → / Residence ↓	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	Jefferson	King
Adams													30				4
Asotin																	
Benton													12				24
Chelan													12		1		130
Clallam					6												136
Clark						**300**											17
Columbia													4				1
Cowlitz						32											35
Douglas													4				20
Ferry																	2
Franklin													10				7
Garfield																	
Grant													**119**				15
Grays Harbor																	145
Island															**119**		96
Jefferson																	27
King						3							1				**12511**
Kitsap						1									1		798
Kittitas																	53
Klickitat						4											2
Lewis																	87
Lincoln																	1
Mason																	54
Okanogan													2				39
Pacific						2											16
Pend Oreille																	
Pierce						1											1606
San Juan															1		37
Skagit															9		205
Skamania						7											1
Snohomish						1											2202
Spokane													15				58
Stevens													3				1
Thurston																	414
Wahkiakum																	
Walla Walla													3				21
Whatcom																	158
Whitman													11				32
Yakima						1											54
County Unknown																	3
Out-of-State						81							14		1		320
Non-US													1				538

Residence and Occurrence, Washington State 1988

Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason	Okanongan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima	Out-of-State
														3							10	
														50							3	10
									12					5							450	9
									2												156	
									11							2			1			
									3												1	701
									1												8	
									3							2						205
									2												23	1
														9							4	
									4					4							154	1
									2					12							62	
									37							102						1
											1		3						9		1	
									6													
									61				43	2		1			6	1	184	2651
									148					1		2						1
	8								2				1	1							90	
		1																			6	21
									41							52						9
														13							1	
									27							29						2
									1				1	42							46	
									10							11						20
														29								2
									2126					1		12			1		4	4
											1								16			
											46		1						62		1	2
		1																				18
									8		3		**211**	2					8		1	2
									4					**1781**							47	6
														78							2	
									154							**386**						4
																						2
									2					22							136	18
									2		2		1						**399**			
									2					71						**4**	25	43
									7												**857**	4
																						18
									16		1		1	392					4	3	94	
									4					51					206		22	

SHABB4-R018

Table 12

Live Births and Abortions with Rate and Ratio Indicators by Patient's Place of Residence, Washington State 1988

County	Female Population[1]	Live Births[2]	Abortions[2]	Abortion Ratio[3]	Abortion Rate[4]	Fertility Rate[5]
State Total	1,077,249	72,263	28,939	400	27	67
Adams	3,034	259	46	178	15	85
Asotin	3,753	232	63	272	17	62
Benton	25,283	1,747	508	291	20	69
Chelan	10,412	828	298	360	29	80
Clallam	11,263	702	154	219	14	62
Clark	51,358	3,457	1,015	294	20	67
Columbia	742	52	14	269	19	70
Cowlitz	18,237	1,245	274	220	15	68
Douglas	5,534	349	50	143	9	63
Ferry	1,341	77	14	182	10	57
Franklin	7,663	773	179	232	23	101
Garfield	422	12				28
Grant	11,136	889	207	233	19	80
Grays Harbor	13,432	957	282	295	21	71
Island	11,506	932	228	245	20	81
Jefferson	3,667	230	32	139	9	63
King	351,249	21,129	12,563	595	36	60
Kitsap	39,939	2,848	944	331	24	71
Kittitas	6,347	294	155	527	24	46
Klickitat	3,487	219	34	155	10	63
Lewis	11,955	848	187	221	16	71
Lincoln	1,874	102	15	147	8	54
Mason	7,325	440	112	255	15	60
Okanogan	6,765	543	130	239	19	80
Pacific	3,176	252	59	234	19	79
Pend Oreille	1,825	125	31	248	17	68
Pierce	128,333	9,906	3,719	375	29	77
San Juan	1,965	104	54	519	27	53
Skagit	15,322	1,099	322	293	21	72
Skamania	1,757	107	27	252	15	61
Snohomish	99,895	7,361	2,417	328	24	74
Spokane	83,047	5,292	1,898	359	23	64
Stevens	6,719	398	83	209	12	59
Thurston	35,904	2,181	947	434	26	61
Wahkiakum	679	39	2	51	3	57
Walla Walla	10,384	626	200	319	19	60
Whatcom	29,137	1,667	559	335	19	57
Whitman	11,080	405	186	459	17	37
Yakima	40,302	3,537	910	257	23	88
Unknown			21			

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[1] Women aged 15-44; 1988 estimates from Office of Financial Management.

[2] Women aged 15-44.

[3] Induced abortions per 1,000 resident live births, women aged 15-44.

[4] Induced abortions per 1,000 female population aged 15-44.

[5] Live births per 1,000 female population aged 15-44.

SHABB4-R002

Table 13

Induced Abortions by Age of Patient by County of Residence, Washington State 1988

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Totals	29,175	185	2,813	4,196	9,373	6,503	3,719	1,891	444	35	16
Adams	47	1	5	3	13	13	8	2	2		
Asotin	63		1	6	24	16	11	3	2		
Benton	512	3	63	80	138	125	55	33	14		1
Chelan	301	1	34	41	94	67	42	14	6	1	1
Clallam	156	2	20	24	50	29	17	11	3		
Clark	1,022	5	116	159	342	208	119	54	17	1	1
Columbia	14		3	2	6	2		1			
Cowlitz	277	3	41	43	91	53	30	11	5		
Douglas	50		11	8	15	12	2	1	1		
Ferry	15	1	2	3	2	6	1				
Franklin	180	1	19	29	62	43	16	8	2		
Garfield											
Grant	210	3	20	34	63	44	31	14	1		
Grays Harbor	285	3	35	47	95	60	31	12	2		
Island	229	1	27	26	86	51	26	10	2		
Jefferson	33		5	7	7	4	4	4	1	1	
King	12,651	65	1,073	1,615	3,964	2,968	1,797	941	205	18	5
Kitsap	952	6	106	154	296	186	130	62	10	2	
Kittitas	155		14	23	56	29	27	5	1		
Klickitat	34		4	1	11	5	10	2	1		
Lewis	189	2	29	28	60	40	23	6	1		
Lincoln	15		4	3	3	1	1	2	1		
Mason	112		17	21	27	20	13	11	3		
Okanogan	131	1	20	18	31	24	24	10	3		
Pacific	59		5	9	19	14	9	3			
Pend Oreille	31		7	3	9	3	4	3	2		
Pierce	3,755	29	345	564	1,320	848	416	177	49	6	1
San Juan	55		3	5	11	15	12	8		1	
Skagit	326	4	33	58	81	62	53	31	4		
Skamania	27		4	6	6	5	3	3			
Snohomish	2,438	19	253	336	789	562	298	143	36	1	1
Spokane	1,911	10	184	338	619	413	197	123	24	3	
Stevens	84	1	11	11	25	16	10	9	1		
Thurston	958	10	112	155	284	189	117	67	23	1	
Wahkiakum	2		1			1					
Walla Walla	202	1	29	38	65	37	21	8	2		1
Whatcom	562	3	51	103	186	105	56	46	12		
Whitman	188		6	43	88	25	19	4	1		2
Yakima	923	10	95	148	328	199	84	49	7		3
Unknown	21		5	4	7	3	2				

Table 14

Second Trimester Abortions by Patient's Age Group by County of Residence, Washington State 1988

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Totals	2,763	39	393	491	951	516	234	101	34	2	2
Adams	5		2	1	2						
Asotin	2				2						
Benton	50	1	9	8	15	11	5	1			
Chelan	29		6	1	14	4	4				
Clallam	23		3	5	7	4	3	1			
Clark	110		13	35	37	15	4	3	3		
Columbia	3			2	1						
Cowlitz	37	1	10	4	12	8	1	1			
Douglas	8		3	1	2	2					
Ferry	1		1								
Franklin	16	1		2	9	4					
Garfield											
Grant	20		3	5	6	2	3	1			
Grays Harbor	35		8	5	13	5	2	2			
Island	16	1	3	2	6	1	3				
Jefferson	5			2	1			2			
King	1,077	13	147	178	380	204	98	42	15		
Kitsap	109		14	18	40	20	12	4	1		
Kittitas	14		1	3	5	2	3				
Klickitat	1				1						
Lewis	28	1	5	6	7	7	2				
Lincoln	2		1						1		
Mason	13		4	1	4	3			1		
Okanogan	20		5	2	5	6	2				
Pacific	8		2	1	2	2	1				
Pend Oreille	3			1	1	1					
Pierce	504	9	67	95	175	95	39	16	4	2	2
San Juan	2		1		1						
Skagit	26	1	3	6	6	6	3	1			
Skamania	3			1	1	1					
Snohomish	166	5	18	29	58	33	16	6	1		
Spokane	112		16	27	27	23	11	7	1		
Stevens	6		1	2	1	1	1				
Thurston	87	2	16	10	31	16	5	5	2		
Wahkiakum	1		1								
Walla Walla	20		6	1	4	7	1	1			
Whatcom	36	1	5	6	10	5	4	1	4		
Whitman	15			4	10	1					
Yakima	148	3	19	27	54	26	11	7	1		
Unknown	2				1	1					

Table 15

Repeat Abortions by Patient's Age Group by County of Residence, Washington State 1988[1]

County	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
State Totals	12,608	13	388	1,056	4,195	3,638	2,157	978	164	17	2
Adams	20				9	6	4	1			
Asotin	5				1	2	2				
Benton	211		5	23	63	68	30	16	6		
Chelan	129		4	8	42	36	28	10	1		
Clallam	51		1	9	18	13	7	3			
Clark	433		15	37	141	131	73	31	4		1
Columbia	5				3	2					
Cowlitz	108		6	5	42	38	13	3	1		
Douglas	16		1	2	6	5	1		1		
Ferry	2					2					
Franklin	70		2	10	23	24	9	1	1		
Garfield											
Grant	76		3	8	24	20	15	6			
Grays Harbor	101		3	10	39	31	13	5			
Island	93		2	3	38	28	17	5			
Jefferson	12		2	3	2	1	1	1	1	1	
King	6,318	7	201	492	2,011	1,827	1,134	543	90	12	1
Kitsap	409		10	37	133	106	82	38	2	1	
Kittitas	61		1	2	28	13	14	3			
Klickitat	13				3	2	6	1	1		
Lewis	64		2	3	21	21	13	4			
Lincoln	2				1		1				
Mason	53		3	3	14	14	9	9	1		
Okanogan	38		1	3	9	9	13	2	1		
Pacific	22			2	8	6	5	1			
Pend Oreille	2							1	1		
Pierce	1,642	3	38	161	600	489	248	81	20		2
San Juan	32			2	6	8	10	6			
Skagit	137		7	13	33	36	30	18			
Skamania	17			2	5	4	3	3			
Snohomish	1,178	2	45	93	405	345	187	83	17		1
Spokane	150		3	13	45	51	21	16	1		
Stevens	2			1	1						
Thurston	435		16	52	143	121	63	35	5		
Wahkiakum											
Walla Walla	68		2	8	20	21	12	3	2		
Whatcom	218		4	20	78	55	33	24	4		
Whitman	35			3	21	2	6	3			
Yakima	377	1	11	28	156	101	54	22	4		
Unknown					3						

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[1] Number of abortions with unreported or unknown previous abortion(s) histories was 1,885.

Table 16

Pregnancy 0utcome with Rates[1] by Selected Patient Age Groups by Place of Residence, Washington State 1988

County and City	Ages 15-44 Total	Ages 15-44 Rate	Ages 10-14 Total	Ages 10-14 Rate	Ages 15-17 Total	Ages 15-17 Rate	Ages 18-19 Total	Ages 18-19 Rate
State Totals								
Live births	72263	67.1	97	.7	2498	26.4	5045	77.8
Fetal deaths	372	.3	3		19	.2	25	.4
Abortions[2]	28939	26.9	185	1.3	2813	29.8	4196	64.7
Total Pregnancies	101572	94.3	285	2.0	5330	56.4	9266	142.9
Adams								
Live births	259	85.4			9	27.0	24	119.4
Fetal deaths	2	.7						
Abortions	46	15.2	1	1.8	5	15.0	3	14.9
Total Pregnancies	307	101.3	1	1.8	14	42.0	27	134.3
Asotin								
Live births	232	61.8	1	1.6	11	31.9	33	146.7
Fetal deaths								
Abortions	63	16.8			1	2.9	6	26.7
Total Pregnancies	295	78.6	1	1.6	12	34.8	39	173.4
Benton								
Live births	1747	69.1	1	.3	64	28.9	127	86.0
Fetal deaths	14	.6					1	.7
Abortions	508	20.1	3	.8	63	28.5	80	54.2
Total Pregnancies	2269	89.8	4	1.1	127	57.4	208	140.9
Chelan								
Live births	828	79.5	3	2.0	24	25.4	54	85.3
Fetal deaths	10	1.0			1	1.1	1	1.6
Abortions	298	28.6	1	.7	34	35.9	41	64.8
Total Pregnancies	1136	109.1	4	2.7	59	62.4	96	151.7
Clallam								
Live births	702	62.3	1	.6	24	22.6	63	91.6
Fetal deaths	3	.3						
Abortions	154	13.7	2	1.2	20	18.8	24	34.9
Total Pregnancies	859	76.3	3	1.8	44	41.4	87	126.5
Clark								
Live births	3457	67.3	4	.5	123	26.4	278	94.7
Fetal deaths	13	.3						
Abortions	1015	19.8	5	.6	116	24.9	159	54.2
Total Pregnancies	4485	87.4	9	1.1	239	51.3	437	148.9
Columbia								
Live births	52	70.1			3	43.5	8	222.2
Fetal deaths								
Abortions	14	18.9			3	43.5	2	55.6
Total Pregnancies	66	89.0			6	87.0	10	277.8
Cowlitz								
Live births	1245	68.3	8	3.0	65	38.9	140	128.2
Fetal deaths	3	.2					1	.9
Abortions	274	15.0	3	1.1	41	24.6	43	39.4
Total Pregnancies	1522	83.5	11	4.1	106	63.5	184	168.5
Douglas								
Live births	349	63.1			15	29.4	19	58.8
Fetal deaths	3	.5						
Abortions	50	9.0			11	21.5	8	24.8
Total Pregnancies	402	72.6			26	50.9	27	83.6
Ferry								
Live births	77	57.4			5	39.1	8	97.6
Fetal deaths								
Abortions	14	10.4	1	4.9	2	15.6	3	36.6
Total Pregnancies	91	67.8	1	4.9	7	54.7	11	134.2
Franklin								
Live births	773	100.9	3	2.6	51	70.2	66	129.9
Fetal deaths	6	.8						
Abortions	179	23.4	1	.9	19	26.1	29	57.1
Total Pregnancies	958	125.1	4	3.5	70	96.3	95	187.0
Garfield								
Live births	12	28.4			1	23.3		
Fetal deaths								
Abortions								
Total Pregnancies	12	28.4			1	23.3		
Grant								
Live births	889	79.8	1	.5	51	43.9	75	101.9
Fetal deaths	6	.5					1	1.4
Abortions	207	18.6	3	1.6	20	17.2	34	46.2
Total Pregnancies	1102	98.9	4	2.1	71	61.1	110	149.5
Grays Harbor								
Live births	957	71.2			58	45.1	97	116.3
Fetal deaths	8	.6			1	.8		
Abortions	282	21.0	3	1.4	35	27.2	47	56.4
Total Pregnancies	1247	92.8	3	1.4	94	73.1	144	172.7
Island								
Live births	932	81.0			15	15.6	70	108.5
Fetal deaths	3	.3						
Abortions	228	19.8	1	.6	27	28.1	26	40.3
Total Pregnancies	1163	101.1	1	.6	42	43.7	96	148.8
Jefferson								
Live births	230	62.7			5	15.9	15	79.8
Fetal deaths								
Abortions	32	8.7			5	15.9	7	37.2
Total Pregnancies	262	71.4			10	31.8	22	117.0
King								
Live births	21129	60.2	17	.4	539	19.7	934	47.8
Fetal deaths	72	.2	1		1		5	.3
Abortions	12563	35.8	65	1.6	1073	39.2	1615	82.6
Total Pregnancies	33764	96.2	83	2.0	1613	58.9	2554	130.7
Kitsap								
Live births	2848	71.3	1	.2	94	27.8	234	106.6
Fetal deaths	19	.5			1	.3	1	.5
Abortions	944	23.6	6	1.0	106	31.3	154	70.2
Total Pregnancies	3811	95.4	7	1.2	201	59.4	389	177.3
Kittitas								
Live births	294	46.3	1	1.5	7	10.1	13	23.3
Fetal deaths	2	.3						
Abortions	155	24.4			14	20.3	23	41.1
Total Pregnancies	451	71.0	1	1.5	21	30.4	36	64.4
Klickitat								
Live births	219	62.8	2	3.4	6	18.3	23	115.6
Fetal deaths	5	1.4						
Abortions	34	9.8			4	12.2	1	5.0
Total Pregnancies	258	74.0	2	3.4	10	30.5	24	120.6
Lewis								
Live births	848	70.9	1	.5	41	33.3	98	127.9
Fetal deaths	4	.3					1	1.3
Abortions	187	15.8	2	1.0	29	23.6	28	36.8
Total Pregnancies	1039	86.8	3	1.5	70	56.9	127	165.8
Lincoln								
Live births	102	54.4					3	27.5
Fetal deaths								
Abortions	15	8.0			4	21.4	3	27.5
Total Pregnancies	117	62.4			4	21.4	6	55.0
Mason								
Live births	440	60.1	2	1.8	23	32.3	49	108.2
Fetal deaths	3	.4						
Abortions	112	15.3			17	23.9	21	46.4
Total Pregnancies	555	75.8	2	1.8	40	56.2	70	154.6
Okanogan								
Live births	543	80.3			32	51.4	51	132.1
Fetal deaths	1	.1						
Abortions	130	19.2	1	.9	20	32.1	18	46.6
Total Pregnancies	674	99.6	1	.9	52	83.5	69	178.7
Pacific								
Live births	252	79.3			13	42.5	19	99.0
Fetal deaths	1	.3						
Abortions	59	18.6			5	16.3	9	46.9
Total Pregnancies	312	98.2			18	58.8	28	145.9
Pend Oreille								
Live births	125	68.5			7	36.8	19	177.6
Fetal deaths								
Abortions	31	17.0			7	36.8	3	28.0
Total Pregnancies	156	85.5			14	73.6	22	205.6
Pierce								
Live births	9906	77.2	11	.6	353	30.0	816	98.0
Fetal deaths	56	.5			6	.5	3	.4
Abortions	3719	29.0	29	1.7	345	29.3	564	67.7
Total Pregnancies	13681	106.7	40	2.3	704	59.8	1383	166.1
San Juan								
Live births	104	52.9			1	7.9	1	13.0
Fetal deaths								
Abortions	54	27.5			3	23.6	5	64.9
Total Pregnancies	158	80.4			4	31.5	6	77.9
Skagit								
Live births	1099	71.7	1	.5	47	33.1	90	97.8
Fetal deaths	10	.7					1	1.1
Abortions	322	21.0	4	1.8	33	23.3	58	63.0
Total Pregnancies	1431	93.4	5	2.3	80	56.4	149	161.9
Skamania								
Live births	107	60.9			9	53.3	4	37.7
Fetal deaths								
Abortions	27	15.4			4	23.7	6	56.6
Total Pregnancies	134	76.3			13	77.0	10	94.3
Snohomish								
Live births	7361	73.7	4	.3	180	20.7	459	80.9
Fetal deaths	33	.3	1	.1	2	.2	4	.7
Abortions	2417	24.2	19	1.3	253	29.1	336	59.2
Total Pregnancies	9811	98.2	24	1.7	435	50.0	799	140.8
Spokane								
Live births	5292	63.7	6	.5	192	24.7	428	78.8
Fetal deaths	38	.5			1	.1	3	.6
Abortions	1898	22.9	10	.9	184	23.7	338	62.1
Total Pregnancies	7228	87.1	16	1.4	377	48.5	769	141.3
Stevens								
Live births	398	59.2			19	31.9	41	118.5
Fetal deaths	3	.4						
Abortions	83	12.4	1	.8	11	18.5	11	31.8
Total Pregnancies	484	72.0	1	.8	30	50.4	52	150.3
Thurston								
Live births	2181	60.7	5	1.0	77	24.4	166	80.4
Fetal deaths	11	.3			3	1.0		
Abortions	947	26.4	10	2.0	112	35.5	155	75.1
Total Pregnancies	[illegible]	87.4	15	3.0	192	60.9	321	155.5
Wahkiakum								
Live births	39	57.4			2	28.6	3	75.0
Fetal deaths								
Abortions	2	2.9			1	14.3		
Total Pregnancies	41	60.3			3	42.9	3	75.0
Walla Walla								
Live births	626	60.3	3	2.1	30	26.1	49	60.6
Fetal deaths	3	.3			1	.9		
Abortions	200	19.3	1	.7	29	25.2	38	47.0
Total Pregnancies	829	79.9	4	2.8	60	52.2	87	107.6
Whatcom								
Live births	1667	57.2	4	1.1	58	21.7	97	48.4
Fetal deaths	8	.3			1	.4	1	.5
Abortions	559	19.2	3	.8	51	19.1	103	51.4
Total Pregnancies	2234	76.7	7	1.9	110	41.2	201	100.3
Whitman								
Live births	405	36.6			6	4.4	16	12.9
Fetal deaths	2	.2						
Abortions	186	16.8			6	4.4	43	34.6
Total Pregnancies	593	53.6			12	8.8	59	47.5
Yakima								
Live births	3537	87.8	17	2.7	238	58.2	355	136.1
Fetal deaths	28	.7	1	.2	1	.2	2	.8
Abortions	910	22.6	10	1.6	95	23.2	148	56.7
Total Pregnancies	4475	111.1	28	4.5	334	81.6	505	193.6

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[1] Number of events (live births, fetal deaths, abortions, total reported pregnancies) per 1,000 female population in each age group.

[2] Total abortions includes 21 for which county of residence was unknown.

SHABB4-R019

Table 17

Resident Abortion Rates[1] with Ranks for Washington State Counties, 1984-1988

	1984		1985		1986		1987		1988	
Rank	County	Rate	County	Rate	County	Rate	County	Rate	County	Rate
1	King	33.6	King	32.1	King	34.4	King	37.0	King	35.8
2	Chelan	30.5	Kittitas	27.5	Pierce	28.3	Pierce	29.2	Pierce	29.0
3	Thurston	29.6	Pierce	27.2	Thurston	26.5	Chelan	27.2	Chelan	28.6
4	Pierce	29.0	Thurston	26.9	Kittitas	25.7	Thurston	25.8	San Juan	27.5
5	Kittitas	26.7	Chelan	26.4	Franklin	24.5	Snohomish	25.4	Thurston	26.4
6	Grays Harbor	26.0	Adams	24.6	Chelan	24.4	Grays Harbor	24.9	Kittitas	24.4
7	Whatcom	23.0	Clark	23.8	Grant	24.1	Kittitas	24.6	Snohomish	24.2
8	Benton	22.8	Walla Walla	23.7	Spokane	22.9	Kitsap	23.3	Kitsap	23.6
9	Franklin*	22.8	Franklin	23.5	Grays Harbor	22.8	Franklin	22.7	Franklin	23.4
10	San Juan	22.4	Grays Harbor	22.9	Benton	22.0	Spokane	22.5	Spokane	22.9
11	Spokane	22.2	Spokane*	22.9	Yakima	21.0	Skagit	22.2	Yakima	22.6
12	Grant	22.0	Grant	21.6	Walla Walla	20.3	Yakima	22.1	Grays Harbor	21.0
13	Walla Walla	21.7	Benton	21.2	Skagit	19.5	Grant	21.5	Skagit*	21.0
14	Clark	21.5	Whatcom	20.5	Kitsap	19.3	Benton	20.8	Benton	20.1
15	Skagit*	21.5	Yakima*	20.5	Clark	19.2	San Juan	20.6	Clark	19.8
16	Whitman	21.4	Columbia	20.2	Okanogan	18.8	Walla Walla	19.7	Island*	19.8
17	Island	21.0	Asotin	19.4	Snohomish	18.7	Whatcom	19.0	Walla Walla	19.3
18	Okanogan*	21.0	Lewis	19.2	Whatcom	18.3	Clark	18.2	Okanogan	19.2
19	Yakima	20.8	Island	19.1	Whitman	18.0	Island	16.7	Whatcom*	19.2
20	Kitsap	20.7	Skagit	18.3	Columbia	17.5	Lewis	16.3	Columbia	18.9
21	Asotin	19.9	Kitsap	17.1	Lewis	17.2	Okanogan	16.2	Grant	18.6
22	Pacific	19.6	Whitman	17.0	Asotin	17.0	Mason	15.1	Pacific*	18.6
23	Adams	19.1	Snohomish	16.2	Island	16.8	Pend Oreille*	15.1	Pend Oreille	17.0
24	Mason	18.9	Mason	15.1	Adams	16.5	Garfield	14.3	Asotin	16.8
25	Lewis	18.7	Pacific*	15.1	Mason*	16.5	Whitman	14.1	Whitman*	16.8
26	Snohomish	16.7	Pend Oreille	14.8	San Juan	14.2	Ferry	13.6	Lewis	15.6
27	Columbia	16.2	Okanogan	13.8	Ferry	12.6	Columbia	13.5	Skamania	15.4
28	Wahkiakum	14.9	Douglas	12.3	Lincoln	11.7	Asotin	13.1	Mason	15.3
29	Cowlitz	14.2	Stevens*	12.3	Pend Oreille*	11.7	Cowlitz	12.9	Adams	15.2
30	Klickitat	13.8	Skamania	12.0	Cowlitz	11.3	Wahkiakum*	12.9	Cowlitz	15.0
31	Skamania	13.2	Cowlitz	10.7	Pacific	11.2	Pacific	12.7	Clallam	13.7
32	Douglas	13.1	San Juan	10.4	Klickitat	11.1	Adams	12.5	Stevens	12.4
33	Ferry	10.4	Klickitat	10.2	Skamania	11.0	Lincoln	12.2	Ferry	10.4
34	Garfield	9.2	Ferry	9.6	Stevens	9.4	Stevens	12.0	Klickitat	9.8
35	Pend Oreille	8.5	Clallam	8.6	Douglas	9.3	Douglas	11.1	Douglas	9.0
36	Clallam	8.2	Lincoln	8.5	Clallam	8.8	Skamania	11.0	Jefferson	8.7
37	Stevens	7.9	Jefferson	7.5	Jefferson	5.3	Klickitat	9.8	Lincoln	8.0
38	Jefferson	7.7	Wahkiakum	7.0	Garfield	4.6	Clallam	9.5	Wahkiakum	2.9
39	Lincoln	6.9	Garfield	6.9	Wahkiakum	1.4	Jefferson	8.6	Garfield	—

[1] Abortions per 1,000 female population aged 15-44.

*Tied in rank with county or counties above.

MARRIAGES
AND
DISSOLUTIONS

S02370A-HMA

Table 1

Marriage by County of Marriage by Bride and Groom Age Group, Washington State Occurrences 1988

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Bride	44,922	4	4,860	13,486	10,102	6,383	4,069	2,572	1,398	656	373	345	244	164	103	31	7	125
	Groom	44,922		1,725	11,616	11,418	7,236	4,590	3,146	1,889	1,096	696	436	371	271	165	64	24	179
Adams	Bride	92		18	34	16	10	1	3	2	1	1	2	2			1		1
	Groom	92		5	33	22	10	8	4	1	1	3			1	2		1	1
Asotin	Bride	109		22	35	23	8	9	2	3	1	2	2	1	1				
	Groom	109		10	31	23	12	12	9	1	5	2		3	1				
Benton	Bride	913		135	310	210	98	68	36	28	12	6	4	3	1	1			1
	Groom	913		62	276	252	114	67	53	38	15	17	10	4	3	1	1		
Chelan	Bride	669		73	177	143	94	76	41	26	13	6	7	3	4	3	2	1	
	Groom	569		22	150	151	136	78	52	24	13	13	13	5	3	4	1	2	2
Clallam	Bride	483		57	119	99	75	44	42	21	6	6	4	5	3		1		1
	Groom	483		22	107	114	83	59	34	18	11	6	11	4	10	2			2
Clark	Bride	3,613	1	407	1,011	675	534	367	268	152	56	49	39	23	15	13	1		2
	Groom	3,613		158	861	827	583	416	285	189	101	70	42	32	26	21	1	1	
Columbia	Bride	25		4	6	5	5	2	2		1								
	Groom	25		2	9	5	3	2	3	1									
Cowlitz	Bride	832		142	252	150	103	64	51	22	15	7	9	6	5	4			2
	Groom	832		67	234	191	98	66	67	41	24	11	9	7	8	4	3		2
Douglas	Bride	145		21	47	32	17	8	11	2	2	1	1	1		2			
	Groom	145		4	46	32	22	10	12	6	5	2	2	2		2			
Ferry	Bride	43		7	10	9	7	5	4	1									
	Groom	43		3	13	7	5	6	5		2	1							1
Franklin	Bride	207		34	78	27	33	13	6	5	6	1	1		1				2
	Groom	207		18	65	48	21	18	16	7		2	3	2	1	1			5
Garfield	Bride	16		2	7	5			1		1								
	Groom	16		2	5	5	1	1				1	1						
Grant	Bride	345		76	103	67	31	29	21	4	5	4	3		1	1			
	Groom	345		33	112	77	44	30	17	9	6	2	3	3	4	2	1		2
Grays Harbor	Bride	668		97	197	130	83	57	40	26	19	6	5	3	3		2		
	Groom	668		31	179	163	87	69	50	20	26	8	11	8	3	3	3		7
Island	Bride	611		117	185	101	84	53	22	16	9	4	6	6	3	1			4
	Groom	611		24	225	153	73	48	33	17	11	10	3	5	6		1	1	1
Jefferson	Bride	207		9	40	38	30	43	14	14	5	3	2	1	1	2	2		3
	Groom	207		4	27	34	33	43	21	22	4	5	3	2	2	2	2		3
King	Bride	13,843		866	3,881	3,738	2,256	1,354	789	405	199	95	78	64	45	22	9	3	39
	Groom	13,843		265	2,940	3,912	2,602	1,537	1,068	583	324	208	126	90	67	42	16	6	57
Kitsap	Bride	1,859		269	552	382	272	155	122	47	21	10	12	10	3	1	1		2
	Groom	1,859		80	617	423	282	164	114	67	43	17	11	20	5	3	1	2	10
Kittitas	Bride	205		18	67	41	28	21	16	5	2	2	1	1	2		1		
	Groom	205		4	54	54	27	32	11	7	4	4	3	2	1	1		1	
Klickitat	Bride	128		19	37	18	21	13	7	8	4		1						
	Groom	128		5	30	29	19	9	14	10	4	3	1	2	1	1			
Lewis	Bride	595		120	184	91	61	58	28	16	11	6	5	4	4	3	1		3
	Groom	595		51	187	116	71	52	40	25	16	14	6	7	5	3	1	1	
Lincoln	Bride	56		3	24	12	5	4	1	3			3						1
	Groom	56		1	11	20	8	5	2		3	2	2	1	1				
Mason	Bride	288		51	73	46	34	22	25	12	5	6	2	4	4	4			
	Groom	288		20	79	52	35	32	19	13	5	5	6	8	6	3	2	1	2
Okanogan	Bride	286		44	83	55	42	22	16	7	5	5		1	3	1	1		1
	Groom	286		17	72	68	49	28	16	12	14	1	3	3	1		2		
Pacific	Bride	232		22	67	38	38	23	15	14	4	4	2	3					2
	Groom	232		7	51	66	36	23	16	11	8	6	2	1	5				
Pend Oreille	Bride	81		17	26	12	5	9	3	3	4			1					1
	Groom	81		8	17	14	16	6	7	2	5	2		2		1			1
Pierce	Bride	5,924	1	719	1,962	1,287	766	493	294	164	79	42	45	22	18	14	2		16
	Groom	5,924		250	1,838	1,489	840	551	363	215	130	80	43	40	30	23	6	2	24
San Juan	Bride	271		3	31	75	62	49	28	12	6	3		1	1				
	Groom	271		1	17	46	71	53	39	15	16	5	1	1	3	1		1	1
Skagit	Bride	761		88	219	141	113	75	47	29	15	9	9	6	4	5	1		
	Groom	761		32	172	196	106	86	55	40	20	15	7	15	7	8	1		1
Skamania	Bride	137		17	24	18	22	13	9	14	8	3	4	1	2	1	1		
	Groom	137		4	26	17	26	7	16	6	13	8	8	4		1	1		
Snohomish	Bride	3,598		390	1,079	819	491	316	217	116	50	32	30	25	10	8		1	14
	Groom	3,598		124	852	957	618	369	239	169	94	58	38	27	19	12	8	1	13
Spokane	Bride	2,733		313	979	598	336	207	132	68	29	20	20	9	8	3	2		9
	Groom	2,733		122	862	646	417	225	161	117	59	46	21	18	16	3	2	1	17
Stevens	Bride	202		45	55	37	28	15	5	7	1	4		3	2				
	Groom	202		14	66	36	28	20	13	10	2	4	4	2	1	2			
Thurston	Bride	1,455		176	456	298	174	129	100	44	26	12	15	13	5	3			4
	Groom	1,455		64	397	364	190	161	103	64	40	19	14	20	8	5	4		2
Wahkiakum	Bride	36		7	10	4	6		4	1		2	1						1
	Groom	36		3	5	8	4	5	2	4	1	1			1	1			1
Walla Walla	Bride	461	2	50	149	102	66	33	26	12	5	4	6	3	2				1
	Groom	461		31	129	115	68	39	34	16	7	7	3	6	4	2			
Whatcom	Bride	1,148		138	349	247	159	103	48	36	18	10	9	12	5	5	2		7
	Groom	1,148		53	285	278	185	126	72	57	27	20	8	13	11	4	3	2	4
Whitman	Bride	191		19	64	43	25	17	8	5	2		2	2	2		1	1	
	Groom	191		8	65	40	36	16	3	6	3		4	1	3	1	2	1	2
Yakima	Bride	1,454		245	504	270	161	99	68	48	10	8	15	5	6	6		1	8
	Groom	1,454		94	471	368	177	111	78	46	34	18	14	11	8	4	2		18

Table 2

Dissolutions, Annulments, and Separate Maintenance by County of Decree, Washington State 1988

County	Total	Dissolution	Annulment	Separate Maintenance	Not Stated
State Total	26,241	25,836	146	209	50
Adams	39	39			
Asotin	98	94	2		2
Benton	634	627	4	3	
Chelan	449	448	1		
Clallam	285	285			
Clark	1,327	1,314	2	10	1
Columbia	27	27			
Cowlitz	478	474	2	2	
Douglas	20	20			
Ferry	32	31	1		
Franklin	191	191			
Garfield	6	6			
Grant	235	232	3		
Grays Harbor	369	365	2	1	1
Island	346	340		6	
Jefferson	102	100	1	1	
King	7,550	7,430	34	84	2
Kitsap	696	691	2	2	1
Kittitas	86	85	1		
Klickitat	103	103			
Lewis	385	382	1	2	
Lincoln	1,130	1,115	6	9	
Mason	146	146			
Okanogan	121	121			
Pacific	99	97	2		
Pend Oreille	33	32		1	
Pierce	3,678	3,571	34	40	33
San Juan	53	53			
Skagit	447	446		1	
Skamania	52	52			
Snohomish	2,436	2,402	6	20	8
Spokane	1,777	1,759	8	10	
Stevens	124	123		1	
Thurston	957	944	4	9	
Wahkiakum	13	13			
Walla Walla	237	234	1		2
Whatcom	538	534		4	
Whitman	103	103			
Yakima	839	807	29	3	

S02400A-HDI

Table 3

Dissolutions by County of Divorce by Husband's and Wife's Age Group, Washinton State Occurrences 1988

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Unk
State Total	Wife	25,836	1	280	3,138	5,238	4,764	3,973	2,954	1,632	781	425	270	142	87	32	17	2,102	
	Husband	25,836	2	48	1,762	4,466	4,860	4,269	3,379	2,208	1,189	802	424	282	133	56	25	19	1,912
Adams	Wife	39			2	5	11	5	12	1		1							2
	Husband	39			1	2	14	4	6	1	3	2	2		1				3
Asotin	Wife	94		1	9	20	14	21	10	6	5	1	2	2					3
	Husband	94			4	19	16	24	4	9	3	7	2	2	2				2
Benton	Wife	627		6	92	123	118	108	79	39	18	9	5	2	3	1		24	
	Husband	627		3	38	122	118	120	83	58	21	27	11	5	2	3		16	
Chelan	Wife	448		5	61	102	75	69	51	27	14	5	7	4	1		1	26	
	Husband	448		1	38	95	80	76	60	29	26	15	7	5	2	2	1	11	
Clallam	Wife	285		5	32	75	55	38	31	14	5	9	5	1	1				14
	Husband	285			13	53	64	50	46	18	11	12	3	7		1	1		6
Clark	Wife	1,314		14	158	267	230	229	175	93	39	19	8	7	2		1		72
	Husband	1,314		3	84	205	247	230	202	142	62	38	23	10	5	3		1	59
Columbia	Wife	27		2	4	4	5	5	3			1	1						2
	Husband	27			1	5	3	3	4	5	2	1	1		1				1
Cowlitz	Wife	474		7	77	106	96	61	46	32	15	7	6	3	2	2	1		13
	Husband	474		1	40	102	101	62	56	42	27	12	7	7	3	4		1	9
Douglas	Wife	20			2	6	2	5	1			1							3
	Husband	20			1	3	5	4	3				1						3
Ferry	Wife	31			7	3	2	7	5	2	3		2						
	Husband	31			1	7	6	3	3	3	1	4	2	1					
Franklin	Wife	191		6	23	31	39	35	18	13	5	5	5	2					9
	Husband	191		2	13	33	31	33	24	14	9	10	4	4	1				13
Garfield	Wife	6		1				4					1						
	Husband	6			1			4						1					
Grant	Wife	232		7	36	48	48	38	22	15	2	5			4				7
	Husband	232			19	46	57	38	27	15	8	5	4	5	1	1			6
Grays Harbor	Wife	365		9	41	76	64	46	52	23	6	6	3	6	2	2			29
	Husband	365			31	59	68	48	47	37	15	14	8	9	4	1		1	23
Island	Wife	340		11	72	78	58	40	33	11	7	6	7						17
	Husband	340		1	56	75	64	45	35	19	9	9	9	2	1				15
Jefferson	Wife	100		1	10	23	14	15	8	7	4	7	3	1	1	6			
	Husband	100			4	13	20	16	13	9	5	8	2	1	4	1			4
King	Wife	7,430	1	36	632	1,413	1,450	1,222	953	507	243	148	75	24	18	8	5		695
	Husband	7,430		6	321	1,097	1,428	1,313	1,077	675	354	250	126	74	28	9	16	4	652
Kitsap	Wife	691		10	120	183	109	105	67	31	10	10	3	3	3				37
	Husband	691		2	76	163	150	79	90	55	22	16	6	3	3	1		1	24
Kittitas	Wife	85		1	12	16	12	20	10	4		2		1	1				6
	Husband	85			6	18	8	17	12	12	4			1	2	1			4
Klickitat	Wife	103		1	14	15	24	15	11	10	4	1		2	1				5
	Husband	103			10	15	13	24	12	11	8	3	1	1	1	1			3
Lewis	Wife	382		3	50	61	56	52	37	22	16	5	6	6		1			67
	Husband	382		1	21	58	56	55	52	27	23	5	7	8		2	2		65
Lincoln	Wife	1,115		11	156	269	177	194	110	83	29	14	14	7	5	3	1		42
	Husband	1,115			96	231	217	167	141	86	59	36	19	14	6	4		1	38
Mason	Wife	146		2	10	33	28	31	16	8	4	3	3	1	1				6
	Husband	146		2	5	29	28	31	15	11	6	4	8	2	1				4
Okanogan	Wife	121		1	13	30	25	11	11	9	4	5				1			11
	Husband	121		1	7	20	25	18	12	11	8	6		2				2	9
Pacific	Wife	97		2	18	17	17	14	5	2	6	2	7	1			1		5
	Husband	97			10	21	14	13	10	7	5	6	5	1	2	1			2
Pend Oreille	Wife	32			3	5	7	6	3	4		2		1					1
	Husband	32				4	4	9	1	5	2	2							5
Pierce	Wife	3,571		54	569	817	616	494	331	199	99	48	27	16	16		3		282
	Husband	3,571	2	12	367	731	666	517	413	252	153	90	41	27	19	5	3	1	272
San Juan	Wife	53			5	6	11	9	9	7	3	1	2						
	Husband	53			2	3	6	12	15	8	3	1	3						
Skagit	Wife	446		5	44	78	90	66	48	26	22	7	6	5	4		1		44
	Husband	446			20	66	80	78	61	46	21	17	8	7	3			1	38
Skamania	Wife	52		1	12	9	7	3	9	4	3	1		1					2
	Husband	52			6	8	7	7	8	7	2	4		1	1				1
Snohomish	Wife	2,402		22	297	451	457	357	286	142	73	30	24	18	9	3			233
	Husband	2,402		3	148	388	448	410	318	196	117	71	39	23	15	7		3	216
Spokane	Wife	1,759		16	221	359	349	262	220	135	46	27	15	17	5	2	2		83
	Husband	1,759		5	126	326	311	329	228	155	80	49	26	21	12	3	1	2	85
Stevens	Wife	123		1	19	16	28	17	14	5	7	4				1			13
	Husband	123		1	7	17	26	22	12	14	4	3	4		2				11
Thurston	Wife	944		12	104	148	191	130	91	51	29	6	9	4 5	1			163	
	Husband	944		1	61	129	179	145	107	66	37	25	10	14	5	1			164
Wahkiakum	Wife	13		1	1	2	2	2	3				1	1					
	Husband	13			2	1	1	4	2		1		2						
Walla Walla	Wife	234		2	36	52	39	38	16	14	11	6	4	2		2			12
	Husband	234		1	17	43	32	48	27	28	12	6	4	5		2	1		8
Whatcom	Wife	534		7	49	95	87	68	66	32	19	5	4	1	2		1		98
	Husband	534			31	79	82	76	65	45	24	21	10	6	4	1			90
Whitman	Wife	103		1	13	24	20	15	14	5	4	1	2						4
	Husband	103			6	23	19	22	8	11	5	2	3						4
Yakima	Wife	807		16	114	172	133	116	78	49	26	15	11	6	1	4			66
	Husband	807		2	72	157	166	113	80	79	37	21	16	13	2	2		1	46

Table 4

Dissolutions by Total Living Children[1] by Place of Wife's Residence[2], Washington State Occurrences 1988

		Number of Children									
County	Total	0	1	2	3	4	5	6	7	Eight or More	Not Stated
State Total	25,836	11,768	5,404	5,201	1,781	526	146	57	19	23	911
Adams	38	15	5	9	4	5					
Asotin	96	43	14	21	11	3		1			3
Benton	629	266	126	153	45	22	5				12
Chelan	318	143	62	66	20	10	4	2			8
Clallam	286	106	74	62	24	9					11
Clark	1,162	470	255	296	81	18	5	3		1	33
Columbia	26	10	7	5	3	1					
Cowlitz	442	205	86	93	38	6	3	1	1		9
Douglas	128	58	30	28	8	1					3
Ferry	22	13	3	1	2	1					2
Franklin	163	60	35	46	12	4	2			2	2
Garfield	4	2		1	1						
Grant	227	88	57	48	21	5	3		2		3
Grays Harbor	349	143	70	85	28	8	2		1		12
Island	318	145	73	67	13	8	1				11
Jefferson	85	40	18	20	3	1					3
King	7,271	3,592	1,412	1,386	434	130	47	17	3	4	246
Kitsap	672	305	154	135	39	16	2	1			20
Kittitas	77	36	17	14	6			1			3
Klickitat	89	38	23	18	5	2	1				2
Lewis	328	135	68	74	31	7	2			1	10
Lincoln	38	18	6	9	1	1	1				2
Mason	168	76	35	31	17	5	1				3
Okanogan	116	55	21	14	16	3				1	6
Pacific	93	32	25	18	10	2	1	1		1	3
Pend Oreille	38	16	7	9	3	2					1
Pierce	3,138	1,342	733	657	235	51	14	7	4	5	90
San Juan	52	24	13	12	1			1			1
Skagit	386	180	83	69	31	6	1	1			15
Skamania	30	10	9	7	2	2					
Snohomish	2,360	1,016	544	486	170	43	19	5	2	1	74
Spokane	1,947	835	415	427	154	49	14	3	2	1	47
Stevens	140	49	31	34	14	8	1	1			2
Thurston	821	374	177	147	60	23	2	1		1	36
Wahkiakum	10	1	3	4	1	1					
Walla Walla	200	94	40	39	18	3	2				4
Whatcom	491	196	96	117	38	14	2	2		1	25
Whitman	99	46	14	23	13	1					2
Yakima	749	316	172	161	58	16	5	3		2	16
Out-of-State	1,437	806	267	213	64	31	3	5	1	1	46
Unknown	793	369	124	96	46	8	3	1		1	145

[1] Includes all living children regardless of age.

[2] Does not include residents who obtain dissolutions outside of Washington State.

APPENDIX

Appendix A

Definitions

Abortion - The termination (spontaneous or induced) of a pregnancy before the fetus has attained viability. Where unqualified in this report, the term refers to induced abortions.

Abortion-related Complications - Complications encountered and detected at the time pregnancy termination occurs and before the abortion report is filed.

> **Cervical laceration** - a tear wound of the cervix which requires sutures.
>
> **Failed abortion** - the products of conception fail to be expelled from the uterus after induction.
>
> **Hemorrhage** - copious or excessive bleeding, clinically assessed.
>
> **Infection** - inflammation of the endometrium (the mucous coat of the uterus) or elevation of body temperature over 100.4 degrees for one or more days.
>
> **Retained products** - retention of some of the fetal or placental tissue in the uterus after an abortion procedure. A second procedure is required for removal.
>
> **Uterine perforation** - unintentional puncture of the uterine wall which requires intervention.

Birth Weight - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Reporting of fetal deaths to the state is required only when the gestational period is twenty weeks or more.

Gestional Period - Number of weeks elapsed between the first day of the last menstrual period and date of delivery or date of pregnancy termination. The Abortion Reporting System relies upon the physician's estimate of gestational age. With current technology (i.e., ultrasound), accuracy is plus or minus 11 days.

Induced Abortion - The purposeful interruption of pregnancy, irrespective of the duration of pregnancy, with the intention other than to produce a live born infant or to remove a dead fetus, the result of which is not a live birth. Procedures for false pregnancy, ectopic pregnancy, and missed abortion (dead ovum retained in uterus in intended pregnancy) are not included.

Induced Abortion Procedures:

> **Dilatation And Evacuation (D&E)** - dilatation of the cervical canal by means of laminaria tents (sterile dried seaweed) until the cervical opening is large enough to allow removal of the uterine contents by means of a sponge forceps or some other specially designed instrument.
>
> **Hysterectomy** - removal of the uterus by surgical procedure either with the fetus inside or after the fetus is removed; usually performed when a pathological condition of the uterus, such as fibroid tumors, warrants its removal, or when a woman desires sterilization.
>
> **Hysterotomy** - surgical entry into the uterus, as in a Caesarean section, to remove a fetus too immature to survive, even with extraordinary life support measures; usually performed only if other abortion measures have failed.

Prostaglandin - induction of labor resulting in the expulsion of the fetus by administration of a substance with hormone-like action, either vaginal suppository or intra-amniotic injection.

Saline - induction of labor with eventual expulsion of the fetus by insertion of a hollow needle through the abdominal wall, withdrawal of a portion of the amniotic fluid from the uterine cavity, and subsequent replacement with a concentrated salt solution.

Sharp Curettage - dilatation of the cervical canal with scraping and removal of fetal and placental tissues by use of a curette (which resembles a small spoon). Also, surgical D&C or surgical curettage.

Suction Curettage - dilatation of the cervical canal by the successive insertion of instruments of increasing diameter called dilators until the opening is large enough to insert a flexible tube (cannula) into the uterine cavity and permit the suction removal of fetal and placental tissues by an electric vacuum pump. Also, vacuum aspiration, suction D&C, or early uterine evacuation.

Infant Death - Death of a child under one year of age.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Live Birth Order - Total number of live births to a given mother, including current birth.

Maternal Death - Death attributed to complications of pregnancy, childbirth, or the puerperium; includes abortion related death.

Neonatal Death - Death of an infant within the first 27 days of life.

Nulliparous - Having never given birth to a liveborn infant.

Occurrence Data - Data allocated by place where event occurred, regardless of the person's place of residence.

Parity - Previous live births; does not include current birth.

Perinatal Death - Fetal deaths plus deaths to infants within the first six days of life.

Premature Birth - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

Residence Data - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, fetal deaths) or patient (abortions).

Spontaneous Abortion - An unintended interruption of pregnancy the result of which is a fetal death of any gestational age. Also, miscarriage or miscarried pregnancy.

Trimester - The duration of human pregnancy, approximately 266 days, divided by 3, resulting in three equal time periods equaling 88.67 days, or 12.67 weeks, or approximately three months, each. As a useful rule-of-thumb, gestation weeks 1 through 12 are considered the first trimester of pregnancy; weeks 13 through 24, the second trimester; and over 24 weeks, the third trimester.

Rates And Ratios

Rates and ratios are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant (i.e. 1,000, 10,000, or 100,000). See below.

Abortion Rate - Number of abortions per 1,000 female population aged 15 to 44.

Abortion Ratio - Number of abortions per 1,000 live births.

Age-specific Rate - Number in event of concern for a specific age group per some fixed constant of population in that age group. For instance, the age-specific death rate is the number of deaths in a specific age group per 100,000 population in that age group. See different rates, i.e. fertility, pregnancy, abortion, for most typically used fixed constant in each rate.

Cause-specific Death Rate - Number of deaths from a specific cause per 100,000 population.

Complication Rate - Number of complication cases per 1,000 procedures; one case may have more than one complication.

(crude) Birth Rate - Number of live births per 1,000 population.

(crude) Death Rate - Number of deaths per 1,000 population.

Fertility Rate - Number of live births per 1,000 women, 15-44 years of age.

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Infant Death Rate - Number of infant deaths per 1,000 live births.

Maternal Death Rate - Number of maternal deaths per 10,000 live births.

Neonatal Death Rate - Number of neonatal deaths per 1,000 live births.

Perinatal Death Rate - Number of perinatal deaths per 1,000 live births plus fetal deaths.

Pregnancy Rate - Number of total pregnancies (live births, fetal deaths, and abortions) per 1,000 female population aged 15-44.

Appendix B

Technical Notes

Reliability of the Data

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including underreporting or under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them . It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analyzing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

Collection Year

Data for the Vital Statistics and Induced Terminations of Pregnancy report are compiled from items on birth, death, marriage, and divorce certificates, and abortion reports received before April 15, 1989. (See Appendix F for samples.)

Interstate Exchanges

Washington State is a member of the interstate exchange agreement and receives birth and death certificates of residents who have died in other states. Although, no formal agreement exists, some states have agreed to exchange abortion reports. Out-of-state marriage and divorce certificates are not exchanged.

Population

Population data in this report are an estimate of population provided by the Washington State Office of Financial Management, April 1, 1988.

Race

The race of women obtaining induced abortions, although collected, is not useful for analysis because of the large number of reported unknowns and blanks. In 1988, "unknown" was the second largest category, amounting to more than all other racial categories combined except white among reported abortions.

The determination of race on birth and death certificates follows decision rules established by the National Center for Health Statistics (NCHS).

If more than one race is listed and one is Hawaiian, Hawaiian is selected. In cases of other races, the first non-white race listed is selected.

To determine race of newborns on birth certificates, each parent's race is first established according to the previous rules. Rules to determine race of the child, then, fall along a similar pattern:

- If either parent is Hawaiian, then the child's race is considered Hawaiian.
- In cases where one parent is white and the other non-white, the non-white race is selected as the race of the child.
- If both parents are non-white, the father's race is selected except where the mother's race is Hawaiian.

Hispanic origin has been added as an ethnic category to this 1988 annual summary. It is collected as a separate item, in addition to race. In past summaries, the only Hispanic data were provided by a racial entry of "Mexican/Chicano". The data categories are not comparable and should not be used for trend analysis or year-to-year comparisons.

Occurrence Data

The validity of occurrence death data has some limitations. As the death certificate does not specify inside or outside of corporate limits for place of death, rural deaths may be incorrectly assigned to cities because the location of death was in close proximity to a city. Informants, moreover, often are unaware of city boundaries.

Cause of Death Classification

The causes of death presented herein are classified in accordance with the *International Classification of Diseases, Ninth Revision* published by the World Health Organization. The State of Washington began using this revision January 1, 1979.

Ranking of Leading Causes of Death

In the interest of comparability, this summary uses, in general, the cause of death groups established by the National Center for Health Statistics (NCHS).

Life Expectancy

Life expectancy is based on 1988 crude mortality rates.

Low Birth Weight

Traditionally, low birth weight has been defined as 2,500 grams or less. However, the *International Classification of Diseases, Ninth Revision* (ICD-9) redefines low birth weight as less than 2,500 grams. Thus, 2,500 grams should now be included with the normal birth weight category. The impact of this change is minimal in the United States, where most weights are given in pounds and ounces. No weight of pounds and ounces converts exactly to 2,500 grams (5lb, 8oz is 2,495g and 5lb 9oz is 2,523g). It is, therefore, unlikely that many weights of 2,500 grams are recorded. In fact, none were found in a study of 1984 Washington State births. In the interests of consistency with past data, Washington State has chosen to continue including 2,500 grams with the low birth weight category.

Abortion Complications

Complication totals and rates of abortion procedures should be interpreted with some caution. Some incomplete reporting could have resulted where followup care was carried out after reports were filed or by another physician. In addition, when comparing total rates between years, differences in forms and data processing rules may create artificial changes. In 1988, minor complaints reported by physicians among "Other Complications" were not suppressed as in previous years. These were items, such as "unexplained pain" or "hemorrhage less than or equal to 500 cc."

Rounding

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0. Where whole numbers are used, a blank indicates none or zero.

Appendix C

Conversion of Birth Weight in Grams to Pounds and Ounces

Gramweight	Pounds and Ounces
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

Appendix D

S02520-2

Population of the State of Washington by Age Group by Sex, April 1, 1988

Age Group	Total	Male	Female
Total	4,565,000	2,274,453	2,290,547
Under 1 Year	70,329	36,196	34,133
1 - 4	275,309	141,052	134,257
5 - 14	637,895	326,359	311,536
15 - 19	326,863	167,519	159,344
20 - 24	337,341	173,188	164,153
25 - 34	808,638	417,652	390,986
35 - 44	731,447	368,681	362,766
45 - 54	456,936	233,853	223,083
55 - 64	379,192	183,337	195,855
65 - 74	319,113	145,774	173,339
75 - 84	166,945	65,185	101,760
85 and Over	54,992	15,657	39,335

Appendix E

S02530A

Population, State of Washington, Counties, and Cities of 10,000 Population and Over, April 1, 1988

	City Total	County Total
Adams		14,000
Asotin		17,400
Benton		104,100
Kennewick	37,180	
Richland	30,140	
Chelan		49,700
Wenatchee	18,860	
Clallam		54,400
Port Angeles	17,350	
Clark		214,500
Vancouver	43,290	
Columbia		4,100
Cowlitz		80,500
Kelso	10,880	
Longview	29,560	
Douglas		24,100
Ferry		6,100
Franklin		35,500
Pasco	18,430	
Garfield		2,400
Grant		52,600
Moses Lake	10,650	
Grays Harbor		63,400
Aberdeen	17,130	
Island		53,400
Oak Harbor	14,410	
Jefferson		18,600
King		1,413,900
Auburn	30,790	
Bellevue	85,180	
Des Moines	14,120	
Kent	32,350	
Kirkland	35,820	
Mercer Island	20,690	
Redmond	31,710	
Renton	36,940	
Seattle	495,900	
Kitsap		177,300
Bremerton	37,050	
Kittitas		25,000
Ellensburg	11,500	
Klickitat		16,600
Lewis		57,400
Centralia	11,850	
Lincoln		9,700
Mason		36,800
Okanogan		31,700
Pacific		17,600
Pend Oreille		8,800
Pierce		547,700
Puyallup	20,840	
Tacoma	161,400	
San Juan		9,600
Skagit		70,800
Anacortes	10,320	
Mount Vernon	14,590	
Skamania		8,000
Snohomish		409,500
Edmonds	28,500	
Everett	60,920	
Lynnwood	25,420	
Mountlake Terrace	16,290	
Spokane		354,100
Spokane (city)	170,200	
Stevens		30,200
Thurston		149,300
Lacey	16,380	
Olympia	30,270	
Wahkiakum		3,500
Walla Walla		48,300
Walla Walla (city)	25,440	
Whatcom	119,100	
Bellingham	46,610	
Whitman		39,000
Pullman	22,230	
Yakima		186,300
Yakima (city)	49,470	
State Total		4,565,000

Appendix F

TYPE OR PRINT IN PERMANENT BLACK INK

FOR INSTRUCTIONS SEE HANDBOOK

22248

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

146-8

STATE FILE NUMBER

OFFICE USE ONLY
- 1 DISTRICT
- 2 COPIES
- 3 HOSPITAL
- 4 OCCURRENCE
- 5 RESIDENCE
- 6 TRACT
- 7 OCCUPATION
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21 ACC LOC
- 22 QUERIES
- 23
- 24

DECEDENT

1. NAME—FIRST, MIDDLE, LAST
2. SEX
3. DEATH DATE (Mo., Day, Yr.)
4. AGE—LAST BIRTHDAY (Yrs.)
5. UNDER 1 YEAR MOS. DAYS
6. UNDER 1 DAY HOURS MINS.
7. BIRTHDATE (Mo., Day, Yr.)
8. COUNTY OF DEATH
9. CITY, TOWN OR LOCATION OF DEATH
10. PLACE OF DEATH — X BOX FOR PLACE THEN GIVE ADDRESS OR INSTITUTION NAME 1. ☐ HOME 2. ☐ IN TRANSPORT 3. ☐ EMERG. RM/OUT PT. 4. ☐ HOSP. 5. ☐ NURS. HOME 6. ☐ OTHER PLACE
11. BIRTH STATE (If not in USA give country)
12. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED
13. SPOUSE (If Wife give Maiden Surname)
14. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes/No)
15. SOCIAL SECURITY NO.
16. HIGH SCHOOL GRADUATE (Yes/No)
17. USUAL OCCUPATION (Give kind of work done during most of working life even if retired.)
18. KIND OF BUSINESS OR INDUSTRY
19. RACE (White, Black, Am. Ind., etc. Specify)
20. Was Decedent of Hispanic Origin? (specify Yes or No—if yes, specify Cuban, Mexican, Puerto Rican, etc.) 1. ☐ Yes 2. ☐ No (specify)
21. SMOKING IN LAST 15 YEARS (Yes/No)
22. RESIDENCE—NUMBER AND STREET
23. CITY/TOWN, OR LOCATION
24. INSIDE CITY LIMITS? (Yes/No)
25. COUNTY
26. STATE
27. ZIP CODE

PARENTS

28. FATHER'S NAME—FIRST, MIDDLE, LAST
29. MOTHER'S NAME—FIRST, MIDDLE, MAIDEN SURNAME
30. INFORMANT—NAME
31. MAILING ADDRESS STREET OR RFD NO. CITY OR TOWN STATE ZIP

Disposition

32. BURIAL, CREMATION, REMOVAL, OTHER (Specify)
33. DATE (Mo., Day, Yr.)
34. CEMETERY/CREMATORY—NAME
35. LOCATION—CITY/TOWN STATE
36. FUNERAL DIRECTOR SIGNATURE X
37. NAME OF FACILITY
38. ADDRESS OF FACILITY

CERTIFIER

TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN

39. TO THE BEST OF MY KNOWLEDGE, DEATH OCCURRED AT THE TIME, DATE, AND PLACE AND DUE TO THE CAUSE(S) STATED.

SIGNATURE AND TITLE
X

40. DATE SIGNED (Mo., Day, Yr.)
41. HOUR OF DEATH (24 Hrs.)
42. NAME AND TITLE OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

TO BE COMPLETED ONLY BY MEDICAL EXAMINER OR CORONER

43. ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION, IN MY OPINION DEATH OCCURRED AT THE TIME, DATE AND PLACE AND DUE TO THE CAUSE(S) STATED.

SIGNATURE AND TITLE
X

44. DATE SIGNED (Mo., Day, Yr.)
45. HOUR OF DEATH (24 Hrs.)
46. PRONOUNCED DEAD (Mo., Day, Yr.)
47. HOUR PRONOUNCED DEAD (24 Hrs.)
48. NAME AND ADDRESS OF CERTIFIER—PHYSICIAN, MEDICAL EXAMINER OR CORONER (Type or Print)

CAUSE OF DEATH

49. PART I. ENTER THE DISEASES, INJURIES, OR COMPLICATIONS WHICH CAUSED THE DEATH. DO NOT ENTER THE MODE OF DYING, SUCH AS CARDIAC OR RESPIRATORY ARREST, SHOCK, OR HEART FAILURE. LIST ONLY ONE CAUSE ON EACH LINE.

IMMEDIATE CAUSE (Final disease or condition resulting in death). Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury which initiated events resulting in death) LAST	(A)	INTERVAL BETWEEN ONSET AND DEATH
	DUE TO, OR AS A CONSEQUENCE OF: (B)	INTERVAL BETWEEN ONSET AND DEATH
	DUE TO OR AS A CONSEQUENCE OF: (C)	INTERVAL BETWEEN ONSET AND DEATH

50. OTHER SIGNIFICANT CONDITIONS—CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN ABOVE
51. AUTOPSY? (Yes, No)
52. WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER) (Yes/No)
53. ACC. SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)
54. INJURY DATE (Mo., Day, Yr.)
55. HOUR OF INJURY (24 Hrs.)
56. DESCRIBE HOW INJURY OCCURRED
57. INJURY AT WORK? (Yes/No)
58. PLACE OF INJURY—AT HOME, FARM, STREET, FACTORY, OFFICE BLDG. ETC. (Specify)
59. LOCATION—STREET OR RFD NO., CITY/TOWN, STATE
60. REGISTRAR SIGNATURE X
61. DATE RECEIVED (Mo., Day, Yr.)

FOR STATE REGISTRAR USE ONLY

62. ITEM DOCUMENTARY EVIDENCE: REVIEWED BY: DATE:
63. ITEM DOCUMENTARY EVIDENCE: REVIEWED BY: DATE

SAMPLE

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP
Q.
R.
S.
T.
U.
V.
W.
X.
Y.
Z.
AA. QUERIES
BB.
CC.

075402 -88

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

146-8

CERTIFICATE OF LIVE BIRTH

LOCAL FILE NUMBER

STATE FILE NUMBER

1 CHILD'S NAME First Middle Last

2 SEX

3 DATE OF BIRTH MO. DAY YR.

4 HOUR

5 TYPE OF BIRTHPLACE (SPECIFY TYPE)
☐ 1 HOSPITAL ☐ 3 BIRTH CENTER ☐ 5 HOME
☐ 2 ENROUTE ☐ 4 OTH MED FACIL ☐ 6 OTHER

6 NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS

7 CITY/TOWN/LOCATION

8 COUNTY OF BIRTH

9 I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF
X

10 DATE SIGNED MO. DAY YR.

11 NAME, TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (TYPE OR PRINT)

12 CERTIFIER — NAME AND TITLE (Type or print)

13 MAILING ADDRESS (STREET/BOX NO. CITY, STATE, ZIP CODE)

14 FATHER'S NAME First Middle Last

15 AGE (AT TIME OF THIS BIRTH)

16 STATE OF BIRTH (IF NOT USA GIVE COUNTRY)

17 MOTHER'S NAME First Middle MAIDEN

18 AGE (AT TIME OF THIS BIRTH)

19 STATE OF BIRTH (IF NOT USA GIVE COUNTRY)

20 RESIDENCE (NUMBER AND STREET)

21 CITY/TOWN/LOCATION

22 INSIDE CITY LIMITS (YES/NO)

23 COUNTY

24 STATE

25 MOTHER'S MAILING ADDRESS (IF SAME AS ABOVE ENTER ZIP CODE ONLY)

26 NAME OF INFORMANT (TYPE OR PRINT)

27 RELATION TO CHILD

28 DATE RECEIVED BY LOCAL REGISTRAR

29 REGISTRAR (SIGNATURE)

30 DATE RECEIVED BY STATE REGISTRAR

31 RECORD AMENDMENT (STATE REGISTRAR USE ONLY)

ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE	ITEM	DOCUMENTARY EVIDENCE	REVIEWED BY	DATE

SAMPLE

TYPE OR PRINT LEGAL PORTION IN PERMANENT BLACK INK

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY—DETACHED FROM CERTIFICATE BEFORE PERMANENT FILING.

FATHER

32A RACE (White, Black, American Indian, etc.) (specify)

32B OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc.
1. ☐ Yes 2. ☐ No

33 OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)

34 TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy. construction, nuclear)

MOTHER

35A RACE (White, Black, American Indian, etc.) (specify)

35B OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc.
1. ☐ Yes 2. ☐ No

36 OCCUPATION (Indicate most recent employment) (fruit picker, cashier, registered nurse) (specify)

37 TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)

38 IS MOTHER MARRIED?
☐ Yes ☐ No

39 PRIOR LIVE BIRTHS (DO NOT INCLUDE THIS BIRTH)

☐ NONE

	NOW LIVING	NOW DEAD
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.)

40 OTHER PREGNANCY OUTCOMES (NOT LIVE BIRTHS)

☐ NONE

	SPONTANEOUS	INDUCED (Any Gest. Age)
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.)

41 TOTAL PRIOR PREGNANCIES

42 DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.

43 MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)

44 TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)

45 AMNIOCENTESIS (Indicate Trimester)
☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown

46 DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY?
☐ Yes ☐ No ☐ Unknown

47 THIS BIRTH (single, twin, etc.)

48 IF NOT SINGLE (Born 1st, 2nd, etc.)

49 BIRTH WEIGHT

50 APGAR SCORE 1 Min 5 Min

51 WAS BABY TRANSFERRED TO ANOTHER FACILITY?
☐ Yes ☐ No ☐ Unknown

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY

52 COMPLICATIONS DURING OR RELATED TO PREGNANCY (MATERNAL)
- ☐ 0 None
- ☐ 1 Diabetes (gestational)
- ☐ 2 Diabetes (established)
- ☐ 3 Chronic hypertension
- ☐ 4 Pyelonephritis
- ☐ 5 Epilepsy
- ☐ 6 Preeclampsia
- ☐ 7 Eclampsia
- ☐ 8 Rh sensitization
- ☐ 9 Herpes-Active___ Hx___
- ☐ 10 Syphilis
- ☐ 11 Rubella
- ☐ 12 Polyhydramnios
- ☐ 13 Other (specify)

53 COMPLICATIONS OF LABOR
- ☐ 0 None
- ☐ 1 Abruptio placenta
- ☐ 2 Placenta previa
- ☐ 3 Rupture of uterus
- ☐ 4 Cord prolapse
- ☐ 5 Membranes ruptured >24hrs.
- ☐ 6 Breech
- ☐ 7 Cephalopelvic disproportion
- ☐ 8 Prolonged labor
- ☐ 9 Augmented labor
- ☐ 10 Other (specify below)

54 METHOD OF DELIVERY
- ☐ 1 Spontaneous
- ☐ 2 Vacuum extraction
- ☐ 3 Outlet forceps
- ☐ 4 Induced labor
- ☐ 5 Primary C-section
- ☐ 6 Repeat C-section
- ☐ 7 Vaginal delivery after previous C-section
- ☐ 8 Other (specify below)

55 CONDITIONS OF NEWBORN
- ☐ 0 None
- ☐ 1 Hyaline membrane/RDS
- ☐ 2 Sepsis (documented)
- ☐ 3 Seizures
- ☐ 4 Fetal distress/asphyxia
- ☐ 5 Erb's palsy
- ☐ 6 Other birth injuries (specify below)
- ☐ 7 Hemolytic disease
- ☐ 8 Fetal alcohol syndrome
- ☐ 9 Jaundice (bilirubin >10)
- ☐ 10 Other (specify below)

56 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD
- ☐ 0 None
- ☐ 1 Anencephalus
- ☐ 2 Spina bifida, meningocele
- ☐ 3 Hydrocephalus
- ☐ 4 Microcephalus
- ☐ 5 Patent ductus arteriosus
- ☐ 6 Other heart malformations (specify below)
- ☐ 7 Cleft lip
- ☐ 8 Cleft palate
- ☐ 9 Anal atresia/stenosis
- ☐ 10 T.E. fistula, esophageal atresia
- ☐ 11 Hypospadias
- ☐ 12 Omphalocele
- ☐ 13 Polydactyly
- ☐ 14 Syndactyly
- ☐ 15 Adactyly
- ☐ 16 Other limb reduction
- ☐ 17 Congenital dislocation of hip
- ☐ 18 Club foot
- ☐ 19 Down's syndrome
- ☐ 20 Other malformations (specify below)

DSHS 9-192 (Rev. 1/88) -913- 3

FOR SPECIFIC ITEM INSTRUCTIONS SEE HOSPITAL HANDBOOK

VITAL RECORDS USE ONLY
A. DISTRICT
B. COPIES
C. HOSPITAL
D. OCCURRENCE
E. RESIDENCE
F.
G.
H. TRACT
I.
J.
K.
L.
M.
N.
O. F-OCCUP
P. M-OCCUP
Q.
R.
S.
T.
U.
V.
W.
X.
Y.
Z.
AA. QUERIES
BB.
CC.

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES
VITAL RECORDS

CERTIFICATE OF FETAL DEATH

-88
LOCAL FILE NUMBER

146-8
STATE FILE NUMBER

FETUS

1. FETUS NAME—FIRST | MIDDLE | LAST
2. SEX
3. DATE OF DELIVERY (Mo.-Day-Yr.)
4. HOUR
5. PLACE OF DELIVERY (specify type) ☐ 1 Hospital ☐ 2 Enroute ☐ 3 Birth Center ☐ 4 Oth Med Facil ☐ 5 Home ☐ 6 Other
6. NAME OF FACILITY/IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS
7. CITY/TOWN/LOCATION
8. COUNTY OF DELIVERY

CAUSE FETAL DEATH

9. PART I (enter only one cause per line for (A), (B), AND (C).)
Fetal or Maternal condition directly causing fetal death.
A IMMEDIATE CAUSE
Fetal and/or Maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last
B DUE TO, OR AS A CONSEQUENCE OF
C DUE TO, OR AS A CONSEQUENCE OF
10. SPECIFY FETAL OR MATERNAL
11. PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER. Conditions contributing to Fetal Death but not related to cause given in Part (A)
12. FETUS DIED ☐ 1 Before Labor ☐ 2 During Labor ☐ 3 During Delivery ☐ 4 Unknown
13. AUTOPSY ☐ YES ☐ NO

CERTIFIER

14. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS FETUS IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF
X
15. DATE SIGNED (Mo-Day-Yr)
16. NAME, TITLE ATTENDANT AT DELIVERY IF OTHER THAN CERTIFIER (Type or Print)
17. CERTIFIER NAME AND TITLE (Type or Print)
18. MAILING ADDRESS (Street, Box Number, City, State, Zip)

PARENTS

19. FATHER'S NAME—FIRST | MIDDLE | LAST
20. AGE (At Time of This Delivery)
21. STATE OF BIRTH (If not U.S. give country)
22. MOTHER'S NAME—FIRST | MIDDLE | MAIDEN
23. AGE (At Time of this Delivery)
24. STATE OF BIRTH (If not U.S. give country)
25. RESIDENCE (Number and Street)
26. CITY/TOWN/LOCATION
27. INSIDE CITY LIMITS ☐ YES ☐ NO
28. COUNTY
29. STATE

DISPOSITION

30. BURIAL, CREMATION, REMOVAL, OTHER (Specify)
31. DATE (Mo-Day-Yr)
32. CEMETERY/CREMATORY—NAME
33. LOCATION—CITY/TOWN, STATE
34. FUNERAL DIRECTOR SIGNATURE
X
35. NAME OF FACILITY
36. ADDRESS OF FACILITY
38A. REGISTRAR SIGNATURE
X
38B. DATE RECEIVED BY REGISTRAR (Mo-Day-Yr.)

SAMPLE

CONFIDENTIAL INFORMATION FOR MEDICAL AND RESEARCH USE ONLY

FATHER

37-A. RACE (White, Black, American Indian, etc.) (specify)
37-B. OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1. ☐ Yes 2. ☐ No
38. OCCUPATION (Indicate most recent employment) (Salesman, painter, computer programmer) (specify)
39. TYPE OF BUSINESS OR INDUSTRY (paper mill, hwy. construction, nuclear) (specify)
40. EDUCATION—Highest Grade Completed (0-17+)

MOTHER

41-A. RACE (White, Black, American Indian, etc.) (specify)
41-B. OF HISPANIC ORIGIN? (Specify yes or no) If yes, specify Cuban, Mexican, Puerto Rican, etc. 1. ☐ Yes 2. ☐ No
42. OCCUPATION (Indicate most recent employment) (fruit packer, cashier, registered nurse) (specify)
43. TYPE OF BUSINESS OR INDUSTRY (apple orchard, retail sales, hospital) (specify)
44. EDUCATION—Highest Grade Completed (0-17+)

PREGNANCY HISTORY

45. PRIOR LIVE BIRTHS

	NOW LIVING	NOW DEAD
☐ NONE		
37 WEEKS OR MORE (Full term)		
LESS THAN 37 WEEKS (Premature)		

DATE LAST LIVE BIRTH (Mo. Yr.)

46. OTHER PREGNANCY OUTCOMES (Not live births) (Do not include this delivery)

	SPONTANEOUS	INDUCED (Any Gest. Age)
☐ NONE		
37 WEEKS OR MORE		
20-36 WEEKS		
LESS THAN 20 WEEKS		

DATE LAST OTHER PREGNANCY OUTCOME (Mo. Yr.)

47. IS MOTHER MARRIED? ☐ Yes ☐ No
48. TOTAL PRIOR PREGNANCIES
49. DATE LAST NORMAL MENSES BEGAN Mo. Day Yr.
50. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc.)
51. TOTAL NUMBER OF PRENATAL VISITS (If none, enter 0)
52. AMNIOCENTESIS (Indicate Trimester) ☐ 1st ☐ 2nd ☐ 3rd ☐ Not done ☐ Unknown
53. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? ☐ Yes ☐ No ☐ Unknown
54. THIS FETUS (Single, Twin, etc., Specify)
55. IF NOT SINGLE (Delivered 1st, 2nd, etc.)
56. FETUS WEIGHT (Specify Unit)
57. WAS MOTHER TRANSFERRED TO ANOTHER FACILITY? ☐ Yes ☐ No ☐ Unknown

COMPLICATIONS (check all boxes that apply)

58. COMPLICATIONS DURING OR RELATED TO PREGNANCY (Maternal)
- ☐ 0. None
- ☐ 1. Diabetes (gestational)
- ☐ 2. Diabetes (established)
- ☐ 3. Chronic Hypertension
- ☐ 4. Pyelonephritis
- ☐ 5. Epilepsy
- ☐ 6. Preeclampsia
- ☐ 7. Eclampsia
- ☐ 8. Rh Sensitization
- ☐ 9. Herpes-active___ Hx___
- ☐ 10. Syphilis
- ☐ 11. Rubella
- ☐ 12. Polyhydramnios
- ☐ 13. Other (specify Below)

59. COMPLICATIONS OF LABOR
- ☐ 0. None
- ☐ 1. Abruptio placenta
- ☐ 2. Placenta previa
- ☐ 3. Rupture of uterus
- ☐ 4. Cord prolapse
- ☐ 5. Membranes ruptured > 24hrs.
- ☐ 6. Breech
- ☐ 7. Cephalopelvic disproportion
- ☐ 8. Prolonged labor
- ☐ 9. Augmented labor
- ☐ 10. Other (specify below)

60. METHOD OF DELIVERY
- ☐ 1. Spontaneous
- ☐ 2. Vacuum extraction
- ☐ 3. Outlet forceps
- ☐ 4. Induced labor
- ☐ 5. Primary C-section
- ☐ 6. Repeat C-section
- ☐ 7. Vaginal delivery after previous C-section
- ☐ 8. Other (specify below)

61. CONDITIONS OF FETUS
- ☐ 0. None
- ☐ 1. Fetal Hemorrhage
- ☐ 2. Placenta and Cord conditions (specify)
- ☐ 3. Hemolytic Disease
- ☐ 4. Fetal Hydrops
- ☐ 5. Shoulder Dystocia
- ☐ 6. Other (specify below)

62. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS
- ☐ 0. None
- ☐ 1. Anencephalus
- ☐ 2. Spina bifida, meningocele
- ☐ 3. Hydrocephalus
- ☐ 4. Microcephalus
- ☐ 5. Heart malformations (specify below)
- ☐ 6. Cleft lip
- ☐ 7. Cleft palate
- ☐ 8. Anal atresia/stenosis
- ☐ 9. Downs Syndrome
- ☐ 10. T.E. fistula, esophageal atresia
- ☐ 11. Hypospadias
- ☐ 12. Omphalocele
- ☐ 13. Polydactyly
- ☐ 14. Syndactyly
- ☐ 15. Adactyly
- ☐ 16. Other limb reduction
- ☐ 17. Congenital dislocation of hip
- ☐ 18. Club foot
- ☐ 19. Other malformations (specify below)

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF MARRIAGE

146-8

TYPE OR PRINT ENTIRE FORM IN PERMANENT BLACK INK

COUNTY OF LICENSE
DATE
STATE FILE NUMBER

OFFICIANT

I CERTIFY THE PERSONS NAMED BELOW WERE MARRIED ON ● ● ● ● ● ●
1. DATE (MO DAY YR)
2. COUNTY OF CEREMONY
3. RELIGIOUS/CIVIL CEREMONY (SPECIFY)
4. DATE SIGNED (MO DAY YR)
5. OFFICIANT Signature X
6. OFFICIANT ADDRESS

GROOM

7. NAME (FIRST MIDDLE LAST)
8. BIRTHDATE (MO DAY YR)
9. BIRTH STATE (IF NOT USA GIVE COUNTRY)
10. USUAL RESIDENCE (NUMBER AND STREET)
11. CITY/TOWN/LOCATION
12. INSIDE CITY LIMITS (YES/NO)
13. COUNTY
14. STATE
15. FATHER'S NAME
BIRTH STATE (IF NOT USA GIVE COUNTRY)
17. MOTHER'S MAIDEN NAME
18. BIRTH STATE (IF NOT USA GIVE COUNTRY)
19. GROOM Signature X
20. DATE SIGNED (MO DAY YR)

BRIDE

21. NAME (FIRST MIDDLE LAST)
22. MAIDEN NAME (IF DIFFERENT)
23. BIRTHDATE (MO DAY YR)
24. BIRTH STATE (IF NOT USA GIVE COUNTRY)
25. USUAL RESIDENCE (NUMBER AND STREET)
26. CITY/TOWN/LOCATION
27. INSIDE CITY LIMITS (YES/NO)
28. COUNTY
29. STATE
30. FATHER'S NAME
31. BIRTH STATE (IF NOT USA GIVE COUNTRY)
32. MOTHER'S MAIDEN NAME
33. BIRTH STATE (IF NOT USA GIVE COUNTRY)
34. BRIDE Signature X
35. DATE SIGNED (MO DAY YR)

36. WITNESS Signature X
37. WITNESS Signature X
38. COUNTY AUDITOR Signature X
39. DATE RECEIVED (MO DAY YR)

SAMPLE

B 5710

DSHS 9-170 (REV 1-87) 1200 3

STATE OF WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES

VITAL RECORDS

CERTIFICATE OF DISSOLUTION, DECLARATION OF INVALIDITY OF MARRIAGE OR LEGAL SEPARATION

146-8

COURT FILE NUMBER
STATE FILE NUMBER

DECREE

I CERTIFY THE MARRIAGE OF THE PERSONS NAMED BELOW WAS ORDERED AS A ● ● ● ● ●
1. DISSOLUTION OF MARRIAGE ☐ DECLARATION OF INVALIDITY ☐ LEGAL SEPARATION ☐
2. DATE OF ENTRY (MO DAY YR)
3. COUNTY OF DECREE
4. CLERK OF SUPERIOR COURT Signature X

TO BE COMPLETED BY PETITIONER OR ATTORNEY

HUSBAND

5. NAME FIRST MIDDLE LAST
6. DATE OF BIRTH (MO DAY YR)
7. BIRTHPLACE (State or Foreign Country)
8. USUAL RESIDENCE - STREET ADDRESS
CITY, TOWN OR LOCATION
10. INSIDE CITY LIMITS (Specify YES or NO)
11. COUNTY
12. STATE

WIFE

13. NAME FIRST MIDDLE LAST
14. MAIDEN NAME (IF DIFFERENT THAN MARRIED NAME)
15. DATE OF BIRTH (MO DAY YR)
16. BIRTHPLACE (State or Foreign Country)
17. USUAL RESIDENCE - STREET ADDRESS
CITY, TOWN OR LOCATION
19. INSIDE CITY LIMITS (Specify YES or NO)
20. COUNTY
21. STATE

22. PLACE OF THIS MARRIAGE - COUNTY
23. STATE (IF NOT USA GIVE COUNTRY)
24. DATE OF THIS MARRIAGE (mo Day yr)
25. NUMBER CHILDREN BORN ALIVE ~~OF THIS MARRIAGE~~ (Specify)
26. PETITIONER (HUSBAND, WIFE, BOTH, OTHER, SPECIFY)
27. ATTORNEY FOR PETITIONER - NAME (Type or Print)
28. ADDRESS - STREET CITY OR TOWN STATE ZIP CODE

SAMPLE

3 1505

DSHS 9-171 (REV 5-86) 887

REPORT OF INDUCED TERMINATION OF PREGNANCY

State File Number

1a. Facility Identification Number	1b. Patient Identification Number	2. Age of Patient	3. Date of Pregnancy Termination ____ / ____ / ____ Mo. Day Yr.
4a. Residence—State	4b. County	4c. City, Town, or Location	

5. Race of Patient
1 ☐ White
2 ☐ Black
3 ☐ American Indian or Alaskan Native
4 ☐ Asian or Pacific Islander
5 ☐ Other (specify)
9 ☐ Unknown

5b. Ethnic Origin: Hispanic
1 ☐ Yes

PREVIOUS PREGNANCIES (Complete Each Section)

6a. SPONTANEOUS ABORTIONS (Stillbirths & Miscarriages)	6b. LIVE BIRTHS	6c. INDUCED ABORTIONS (Do not include this termination)
Number ____	Number ____	Number ____
None 00 ☐	None 00 ☐	None 00 ☐

7a. Primary Procedure Used To Terminate Pregnancy — 7b. Additional Procedures Used for This Termination, If Any

(check only one)	TYPE OF TERMINATION PROCEDURES	(check all that apply)
1 ☐	Suction Curettage	☐ 1
2 ☐	Dilatation and Evacuation	☐ 2
3 ☐	Sharp Curettage	☐ 3
4 ☐	Saline	☐ 4
5 ☐	Prostaglandin	☐ 5
6 ☐	Hysterotomy	☐ 6
7 ☐	Hysterectomy	☐ 7
8 ☐	Other (specify)	☐ 8

8. Complications of Procedure(s) used

(check all that apply)

0 ☐ None
1 ☐ Hemorrhage
2 ☐ Infection
3 ☐ Uterine Perforation
4 ☐ Cervical Laceration
5 ☐ Retained Products
6 ☐ Failed Abortion
☐ Other (specify) ____

9. Date Last Normal Menses Began ____ / ____ / ____ Mo. Day Yr.	10. Physician's Estimate of Gestation ____ weeks	11. Name of Attending Physician (type or print)
12. Name of Person Completing Report (type or print)	Title	13. Completion Date of This Report ____ / ____ / ____ Mo. Day Yr.

SAMPLE

DSHS 13-151 (Rev. 12/85) 1031

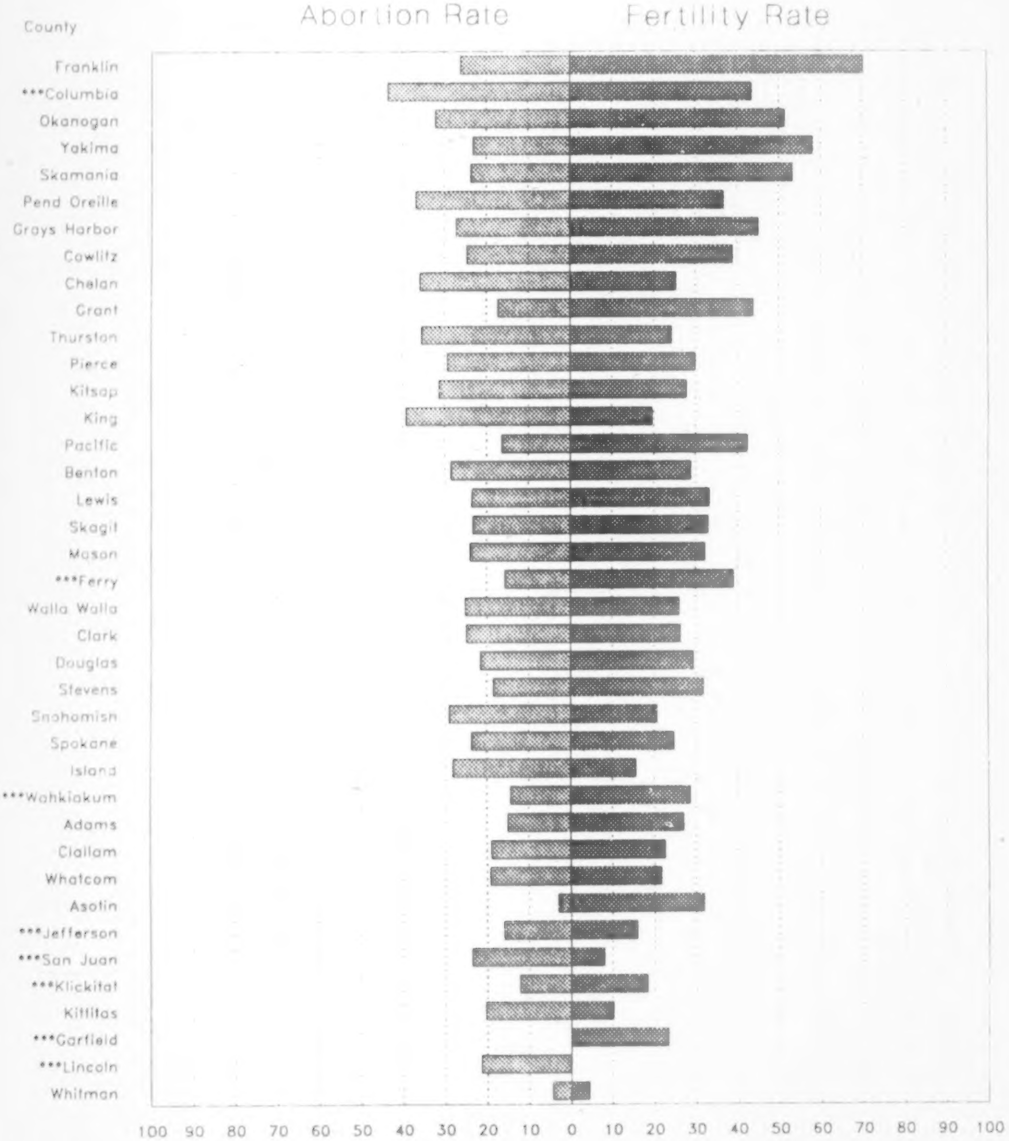
SEE INSTRUCTIONS ON BACK

ATTENTION

The attached pages have been prepared to correct errors in *Report: Vital Statistics and Induced Terminations of Pregnancy, Washington State 1988.* Please insert these corrected chart and tables in your 1988 Summary.

Errata issued 10/90

Abortion & Fertility Rates*, Women 15–17
Washington State Counties 1988
Ranked in Order by Pregnancy Rate*



* Rates = Events per 1,000 women aged 15-17

*** Counties with 10 or fewer total reported HS pregnancies

Table 10

Deaths with Rates[1] by Selected Disease Conditions by Place of Residence, Washington 1988

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State Total	600	13.1	671	14.7	74	1.6	11704	256.4	2823	61.8
Adams	1	7.1	6	42.9			34	242.9	7	50.0
Asotin	3	17.2	2	11.5	1	5.7	51	293.1	13	74.7
Benton	6	5.8	12	11.5	2	1.9	217	208.5	51	49.0
Kennewick	3	8.1	4	10.8			91	244.8	16	43.0
Richland	1	3.3	5	16.6	2	6.6	87	288.7	22	73.0
Chelan	5	10.1	3	6.0			172	346.1	43	86.5
Wenatchee	2	10.6	2	10.6			95	503.7	20	106.0
Clallam	5	9.2	5	9.2	2	3.7	182	334.6	45	82.7
Port Angeles	2	11.5	1	5.8	1	5.8	64	368.9	25	144.1
Clark	18	8.4	27	12.6	4	1.9	533	248.5	110	51.3
Vancouver	9	20.8	7	16.2	2	4.6	200	462.0	43	99.3
Columbia			1	24.4			29	707.3	5	122.0
Cowlitz	6	7.5	14	17.4			299	371.4	51	63.4
Kelso	4	36.8	4	36.8			43	395.2	13	119.5
Longview	1	3.4	5	16.9			166	561.6	22	74.4
Douglas	1	4.1	3	12.4	1	4.1	65	269.7	16	66.4
Ferry							8	131.1	3	49.2
Franklin	3	8.5	6	16.9	3	8.5	73	205.6	15	42.3
Pasco	3	16.3	4	21.7	3	16.3	52	282.1	13	70.5
Garfield							8	333.3	3	125.0
Grant	8	15.2	7	13.3	1	1.9	129	245.2	24	45.6
Moses Lake	3	28.2	3	28.2			40	375.6	10	93.9
Grays Harbor	9	14.2	13	20.5	2	3.2	252	397.5	48	75.7
Aberdeen	2	11.7	5	29.2	2	11.7	79	461.2	11	64.2
Island	5	9.4	6	11.2	2	3.7	119	222.8	27	50.6
Oak Harbor	2	13.9					23	159.6	4	27.8
Jefferson	1	5.4	3	16.1			57	306.5	16	86.0
King	279	19.7	196	13.9	14	1.0	3310	234.1	808	57.1
Auburn	5	16.2	2	6.5			112	363.8	23	74.7
Bellevue	9	10.6	7	8.2			146	171.4	33	38.7
Des Moines	4	28.3	1	7.1			55	389.5	14	99.2
Kent	4	12.4	4	12.4			45	139.1	15	46.4
Kirkland	1	2.8	5	14.0			68	189.8	17	47.5
Mercer Island	3	14.5	2	9.7			39	188.5	10	48.3
Redmond	6	18.9	2	6.3	1	3.2	45	141.9	8	25.2
Renton	7	18.9	6	16.2	1	2.7	93	251.8	12	32.5
Seattle	179	36.1	89	17.9	9	1.8	1608	324.3	453	91.3
Kitsap	22	12.4	30	16.9	7	3.9	399	225.0	96	54.1
Bremerton	7	18.9	14	37.8	4	10.8	128	345.5	34	91.8
Kittitas	1	4.0	5	20.0			76	304.0	14	56.0
Ellensburg			1	8.7			39	339.1	7	60.9
Klickitat	1	6.0	2	12.0			41	247.0	10	60.2
Lewis	11	19.2	14	24.4	2	3.5	194	338.0	56	97.6
Centralia	5	42.2	6	50.6	1	8.4	73	616.0	20	168.8
Lincoln	3	30.9	6	61.9			38	391.8	9	92.8
Mason	3	8.2	6	16.3			124	337.0	18	48.9
Okanogan	1	3.2	7	22.1			133	419.6	24	75.7
Pacific	2	11.4	5	28.4			91	517.0	20	113.6
Pend Oreille	4	45.5					23	261.4	11	125.0
Pierce	70	12.8	65	11.9	5	0.9	1278	233.3	328	59.9
Puyallup	5	24.0	2	9.6	1	4.8	89	427.1	14	67.2
Tacoma	31	19.2	28	17.3			604	374.2	174	107.8
San Juan	3	31.3					31	322.9	10	104.2
Skagit	5	7.1	11	15.5	1	1.4	244	344.6	60	84.7
Anacortes	1	9.7	1	9.7			31	300.4	15	145.3
Mount Vernon	2	13.7	1	6.9	1	6.9	64	438.7	14	96.0
Skamania					1	12.5	15	187.5	3	37.5
Snohomish	40	9.8	52	12.7	6	1.5	893	218.1	191	46.6
Edmonds	6	21.1	9	31.6			92	322.8	19	66.7
Everett	8	13.1	12	19.7	2	3.3	224	367.7	58	95.2
Lynnwood			3	11.8			71	279.3	12	47.2
Mountlake Terrace	2	12.3	2	12.3			25	153.5	3	18.4
Spokane	39	11.0	48	13.6	7	2.0	1004	283.5	267	75.4
Spokane (city)	26	15.3	33	19.4	6	3.5	630	370.2	175	102.8
Stevens	3	9.9	6	19.9			78	258.3	27	89.4
Thurston	13	8.7	27	18.1	2	1.3	374	250.5	91	61.0
Lacey	1	6.1	4	24.4			70	427.4	22	134.3
Olympia	8	26.4	5	16.5			136	449.3	35	115.6
Wahkiakum							11	314.3	1	28.6
Walla Walla	2	4.1	13	26.9	1	2.1	165	341.6	48	99.4
Walla Walla (city)	1	3.9	9	35.4	1	3.9	119	467.8	35	137.6
Whatcom	13	10.9	19	16.0	2	1.7	295	247.7	81	68.0
Bellingham	6	12.9	12	25.7	2	4.3	167	358.3	52	111.6
Whitman			3	7.7			83	212.8	19	48.7
Pullman							15	67.5	4	18.0
Yakima	14	7.5	48	25.8	8	4.3	576	309.2	154	82.7
Yakima (city)	3	6.1	15	30.3	3	6.1	226	456.8	58	117.2

[1] Rates per 100,000 estimated population.

Table 16

Deaths by Month by Selected Causes, Washington State Occurrences 1988

Cause of Death with International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	36,423	3,510	3,246	3,153	2,988	2,982	2,902	2,982	2,845	2,835	2,942	2,913	3,125
Infectious and Parasitic Diseases (001-139)	615	70	41	42	51	45	42	53	57	53	63	46	52
Pneumonia (480-486)	1,234	166	160	106	90	85	85	86	71	72	87	93	133
Influenza (287)	82	16	45	12	2	2	1		1			1	2
Bronchitis (490-491)	72	7	11	13	7	5	5	1	3	4	8	1	7
Emphysema (492)	304	29	25	27	30	26	24	34	27	16	17	22	27
Asthma (493)	89	10	11	6	5	4	10	8	6	8	8	4	9
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,411	145	161	137	142	128	89	113	89	92	106	96	113
Congenital Anomalies (740-759)	243	15	11	16	21	21	28	30	18	21	23	25	14
Certain Causes of Mortality in Early Infancy (760-799)	502	58	51	60	37	37	30	48	36	21	38	48	38
Motorcycle Accidents (E810-E825)	76	2	4	2	7	8	6	18	13	8	4	1	3
Other Motor Vehicle Accidents (E810-E825)	741	38	38	71	56	63	77	73	68	67	61	71	58
Drownings Resulting from Boating Accident (E830-E832)	23	2		2	2	3	1	3	1	4	2	1	2
Other Drownings (E910)	81	4	4	2	4	7	9	20	12	8	2	4	5
Falls (E880-E888)	232	16	16	22	14	25	25	21	17	21	20	9	26
Fire (E890-E899)	67	19	9	4	2	3	2	7	2	4	2	9	4
Other Accidents (E800-E[illegible]28)	408	36	30	32	31	40	37	30	38	31	46	26	31
Suicide (E950-E959)	709	67	56	64	72	60	44	57	71	47	48	61	62
Homicide (E960-E969)	276	32	26	24	19	19	19	22	23	14	31	25	22

Table 21

Infant Mortality by Age and Sex by Cause, Washington State Residents 1988

Cause and International List Number	Total		Under 1 Day		1 Day - Under 7 Days		7 Days - Under 28 Days		28 Days - Under 3 Months		3 Months - Under 6 Months		6 Months - Under 9 Months		9 Months - Under 12 Months	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total All Causes	358	294	95	90	47	31	39	30	73	62	68	57	20	18	16	6
All Infective and Parasitic Diseases (000-139)	5	2					1	1	1	1	1				2	
Malignant Neoplasms (140-208)	1												1			
Meningitis (320, 322)	1				1											
Diseases of the Circulatory System (390-459)	8	7			2				6	4		2				1
Pneumonia (480-487)	2	5				1			1	3	1	1				
Other Diseases of the Respiratory System (510-519)	3	4					1		1		1	3		1		
Hernia and Intestinal Obstruction (550-553	560)	1				1										
Congenital Anomalies (740-759)	81	60	26	19	15	14	12	8	14	8	7	9	5	2	2	
Anencephalus (740)	2	3	1	2	1			1								
Spina Bifida and Meningocele (741)		2								2						
Other Anomalies of the Central Nervous System (742)	2	6	1	3		2	1							1		
Anomalies of the Heart (745, 746)	25	14	1	1	4	6	7	3	6	3	4	1	3			
Other Anomalies of the Circulatory System (747)	6	2			3		1	1	2			1				
Anomalies of the Respiratory System (748)	20	9	6	2	2	2	2		4	1	2	3	2	1	2	
Anomalies of the Digestive System (749-751)	1	1	1					1								
Anomalies of the Genitourinary System (752-753)	6	2	5	2	1											
Anomalies of the Musculoskeletal System (754-756)	10	6	5	4	1		1	1	2		1	1				
Chromosomal Anomalies (758)	5	9	3	1	2	3		1		2		2				
Other Congenital Anomalies	4	6	3	4	1	1						1				
Certain Diseases of Early Infancy (760-779)	116	109	66	69	25	14	16	18	2	5	5	1	2	2		
Maternal Diseases Affecting Child (760)	1	2	1	1		1										
Complications of Pregnancy Affecting Child (761-762)	18	21	18	20		1										
Birth Injuries (763, 767-769)	44	35	15	11	17	10	7	9	1	3	3	1	1	1		
Other Disease Peculiar to Early Infancy	53	51	32	37	8	2	9	9	1	2	2		1	1		
Sudden Infant Death Syndrome (7980)	101	79			1	1	6	3	42	32	42	36	8	7	2	
All Other Diseases (000-799)	21	15	2	2	1	1	2		4	4	7	3	3	3	2	2
All Accidents (E800-E949)	12	8	1		1		1			3			1	3	8	2
Motor Vehicle Accidents (810-825)	2	4								2			1	1	1	1
Accidental Drowning and Submersion (910)	5		1												4	
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)																
Mechanical Suffocation in Bed or Cradle and In Other and Unspecified Circumstances (E913)	2	1			1					1					1	
All Other Accidents	3	3					1							2	2	1
Homicide (E960-E978)	5	4							1	1	4	2				1
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	1	1							1	1						

Table 1
Induced Terminations of Pregnancy by Selected Topics, 1988

A. Residents, Age Group of Patient

Age Group	Number	Percent
All Ages	29,175	100.0%[1]
<15	185	0.6
15-17	2,813	9.6
18-19	4,196	14.4
20-24	9,373	32.1
25-29	6,503	22.3
30-34	3,719	12.7
35-39	1,891	6.5
40-44	444	1.5
45+	35	0.1
Unknown	16	0.1

B. Residents, Gestational Age

Weeks	Number	Percent
Total	29,175	100.0%[1]
1-4	483	1.7
5-8	16,349	56.0
9	3,950	13.5
10	3,035	10.4
11	1,434	4.9
12	1,120	3.8
13-15	1,327	4.5
16-19	989	3.4
20+	463	1.6
Unknown	25	0.1

C. Residents, Number of Previous Abortions

Previous Abortions	Number	Percent
Total	29,175	100.0%[1]
0	14,682	50.3
1	7,593	26.0
2	3,111	10.7
3	1,179	4.0
4	414	1.4
Over 4	311	1.1
Unknown	1,885	6.5

D. Residents, Number of Previous Live Births

Previous Live Births	Number	Percent
Total	29,175	100.0%[1]
0	15,980	54.8
1	5,375	18.4
2	4,008	13.7
3	1,367	4.7
4	390	1.3
Over 4	188	.6
Unknown	1,867	6.4

E. Residents, Number of Previous Pregnancies

Previous Pregnancies	Number	Percent
Total	29,175	100.0%[1]
0	9,723	33.3
1	6,394	21.9
2	4,958	17.0
3	3,129	10.7
4	1,667	5.7
Over 4	1,439	4.9
Unknown	1,865	6.4

F. Residents, Race and Hispanic Origin

Race	Number	Percent
Total	29,175	100.0%[1]
White	16,649	57.1
African-American	1,630	5.6
Asian	1,035	3.5
Native American	272	0.9
Other	240	0.8
Unknown	9,349	32.0
Hispanic Origin[2]	401	1.4

SHABB4-R003

Table 3

Reported Pregnancy Outcomes with Percents by Age of Patient, Washington State Residents 1988

Age of Patient	Abortions		Fetal Deaths		Live Births		Total Reported Pregnancies
Totals	29,175	(28.6%)	381	(.4%)	72,471	(71.0%)	102,027
Under 15	185	(64.9%)	3	(1.1%)	97	(34.0%)	285
15-17	2,813	(52.8%)	19	(.4%)	2,498	(46.9%)	5,330
18-19	4,196	(45.3%)	25	(.3%)	5,045	(54.4%)	9,266
20-24	9,373	(32.5%)	84	(.3%)	19,344	(67.2%)	28,801
25-29	6,503	(21.8%)	111	(.4%)	23,246	(77.9%)	29,860
30-34	3,719	(19.0%)	77	(.4%)	15,730	(80.6%)	19,526
35-39	1,891	(25.2%)	42	(.6%)	5,577	(74.3%)	7,510
40-44	444	(34.7%)	14	(1.1%)	823	(64.2%)	1,281
45 and Over	35	(50.7%)			34	(49.3%)	69
Unknown	16	(17.8%)	6	(5.9%)	77	(76.2%)	99

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Table 4

Age Group Specific Fertility Rate, Abortion Rate, and Abortion Ratio, Washington State Residents 1988

Age of Patient	Female Population[1]	Fertility Rate[2]	Abortion Rate[3]	Abortion Ratio[4]
10-14	145,552	.7	1.3	1,907
15-19	159,344	47.3	44.0	929
15-17	94,538	26.4	29.8	1,126
18-19	64,806	77.9	64.8	832
20-24	164,153	117.8	57.1	485
25-29	187,879	123.7	34.6	280
30-34	203,107	77.5	18.3	236
35-39	195,080	28.6	9.7	339
40-44	167,686	4.9	2.7	539
15-44	1,077,249	67.1	26.9	400

[1] 1988 estimates from Office of Financial Management.
[2] Resident live births for specific age group per 1,000 female population in that age group.
[3] Resident abortions for specific age group per 1,000 female population in that age group.
[4] Resident abortions for specific age group per 1,000 resident live births for that age group.

SP342-1

ATTENTION

The attached page has been prepared to correct errors in Report: Vital Statistics and Induced Terminations of Pregnancy, Washington State 1987. Please insert this corrected table in your 1987 Summary.

Errata issued 11/90

Table 15

Live Births to Single Mothers by Place of Residence by Age of Mother Washington State, 1987

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
State Total	14,597	98	1,989	2,581	5,186	2,824	1,330	502	70	3	14
Adams	49	3	9	11	21	2	3				
Asotin	70	1	6	12	33	15	2	1			
Benton	345	1	55	67	117	73	22	10			
Kennewick	173		22	31	76	32	8	4			
Richland	63		12	13	18	11	7	2			
Chelan	149	2	20	32	52	28	10	4	1		
Wenatchee	78	2	10	14	25	17	7	2	1		
Clallam	159	1	26	18	55	36	15	8			
Port Angeles	57		8	8	17	16	6	2			
Clark	698	3	103	154	225	137	58	16	2		
Vancouver	408		65	96	131	78	32	6			
Columbia	6				5		1				
Cowlitz	308		51	71	94	51	36	5			
Kelso	75		12	16	25	15	6	1			
Longview	155		28	35	44	27	19	2			
Douglas	64		17	11	19	10	7				
Ferry	29		5	5	9	4	5	1			
Franklin	215	3	35	39	74	37	20	6	1		
Pasco	182	3	27	34	63	32	17	5	1		
Garfield	2				1			1			
Grant	184	2	32	37	68	25	10	7	3		
Moses Lake	46		9	8	21	6	2				
Grays Harbor	283		44	57	104	54	17	7			
Aberdeen	93		13	17	39	17	5	2			
Island	65		11	9	27	10	7	1			
Oak Harbor	22		5	2	8	5	2				
Jefferson	52	1	3	10	20	5	8	5			
King	3,790	20	414	564	1,313	865	399	178	25	1	11
Auburn	121		13	28	35	31	7	6	1		
Bellevue	94		12	13	34	20	9	5	1		
Des Moines	29		3	2	13	8	3				
Kent	118		7	13	57	29	7	5			
Kirkland	41		4	6	15	7	5	2	1		1
Mercer Island	9		2	1	2		4				
Redmond	30		2	9	13	5	1				
Renton	127		13	30	46	23	11	3			1
Seattle	1,746	14	189	233	593	389	219	94	12		3
Kitsap	441	3	66	81	163	73	38	16	1		
Bremerton	189	3	24	38	71	34	15	4			
Kittitas	55		8	12	17	10	5	3			
Ellensburg	28		4	6	9	3	3	3			
Klickitat	60		12	16	15	11	4	2			
Lewis	209		34	32	78	37	17	10	1		
Centralia	63		10	7	24	15	3	4			
Lincoln	10		2	2	4	1	1				
Mason	133	1	18	28	41	32	8	2	3		
Okanogan	166	1	23	25	67	30	16	3	1		
Pacific	64		5	10	25	11	8	3	2		
Pend Oreille	24		6	1	8	5	4				
Pierce	2,199	21	318	405	799	411	183	52	9	1	
Puyallup	68		9	19	23	11	5	1			
Tacoma	1,076	8	154	188	399	201	94	29	3		
San Juan	15			2	6		5	2			
Skagit	247	1	37	55	75	44	24	11			
Anacortes	36		4	9	12	4	4	3			
Mount Vernon	63	1	10	11	25	11	4	1			
Skamania	37		8	7	16	5		1			
Snohomish	1,240	5	168	237	440	228	114	43	4		1
Edmonds	49		8	8	20	9	2	2			
Everett	419	1	53	79	167	68	39	11	1		
Lynnwood	101		14	24	36	21	6				
Mountlake Terrace	46		9	6	14	6	7	4			
Spokane	1,167	6	157	215	440	201	105	38	3	1	1
Spokane (city)	776	3	106	144	289	132	70	29	2		1
Stevens	88		12	9	32	22	9	2	2		
Thurston	428	2	67	74	147	85	38	12	2		1
Lacey	43		6	12	11	8	3	2	1		
Olympia	168	1	19	26	68	34	15	4			1
Wahkiakum	6		1	1	2		2				
Walla Walla	141	3	21	31	47	23	10	5	1		
Walla Walla (city)	103	2	16	19	34	21	7	3	1		
Whatcom	296	1	36	41	116	65	24	11	2		
Bellingham	152	1	21	23	58	28	14	7			
Whitman	30		2	7	11	4	5	1			
Pullman	12			5	5		1	1			
Yakima	1,073	17	157	193	400	174	90	35	7		
Yakima (city)	356	1	49	67	134	60	29	13	3		